



**IASBABA'S  
DAILY CURRENT  
AFFAIRS QUIZ  
COMPILATION  
UPSC 2022**

**February-2022**

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**Q.1) Consider the following statements regarding 'National Food Security Act'**

1. The public distribution system(PDS) under this scheme aims to cover 75% of the total population
2. Intra-state transportation cost has to be borne by the state government

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.1) Solution(d)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The National Food Security Act 2013 (also 'Right to Food Act') is an Indian Act of Parliament which aims to provide subsidized food grains to approximately two thirds of the country's 1.2 billion people. The Midday Meal Scheme and the Integrated Child Development Services Scheme are universal in nature whereas the PDS will reach about two-thirds of the population (75% in rural areas and 50% in urban areas).	Central Government will provide assistance to States in meeting the expenditure incurred by them on transportation of food grains within the State, its handling and FPS dealers' margin as per norms to be devised for this purpose

Source: <https://www.thehindu.com/opinion/lead/show-commitment-to-equity-in-the-budget/article38350737.ece>

**Q.2) 'Global minimum tax' seen in news recently is being contemplated by which organization**

- a) G-7
- b) Organization for Economic Co-operation and Development(OECD)
- c) World Trade Organization
- d) World Economic Forum

**Q.2) Solution(b)**

The Organization for Economic Cooperation and Development had announced a global deal to ensure big companies pay a minimum tax rate of 15% and make it harder for them to avoid taxation.

Source: <https://www.thehindu.com/opinion/op-ed/for-the-finance-minister-to-note/article38350832.ece>

**Q.3) Consider the following statements regarding 'Privilege Motion'**

1. A notice is moved in the form of a motion by any member of Lok Sabha including nominated members
2. It is called Rule 267 in the upper house(Rajya Sabha)

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.3) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
A notice is moved in the form of a motion by any member of either House against those being held guilty of breach of privilege. Each House also claims the right to punish as contempt actions which, while not breach of any specific privilege, are offences against its authority and dignity. Any member includes nominated members.	Rule 267 of Rajya Sabha states that "Any member, may, with the consent of the Chairman, move that any rule may be suspended in its application to a motion related to the business listed before the Council of that day and if the motion is carried, the rule in question shall be suspended for the time being". It is similar to Adjournment Motion.

Source: <https://www.thehindu.com/news/national/amid-the-latest-pegasus-spyware-revelations-the-budget-session-is-set-for-a-stormy-start/article38350039.ece>

**Q.4) Consider the following pairs**

**Region : Country**

1. Donbas: Ukraine
2. Transnistria: Moldova
3. Vilnius: Belarus

**Which of the pair(s) is/are correctly matched ?**

- a) 1 Only
- b) 1 and 2
- c) 2 and 3
- d) 3 Only

**Q.4) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
Donbas is a region in eastern Ukraine	Transnistria is a breakaway region of Moldova	Vilnius is the capital of Lithuania.

**Source:** <https://www.thehindu.com/opinion/editorial/risky-bets-the-hindu-editorial-on-russia-ukraine-and-hopes-of-a-diplomatic-solution/article38350731.ece>

**Q.5) Consider the following statements regarding ' Indo-China war of 1962'**

1. Operation Parakram was launched by Indian forces during this war
2. Panchsheel agreement was reached between India and China after this war

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.5) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The 2001–2002 India–Pakistan standoff (Operation Parakram) was a military standoff between India and Pakistan that resulted in the massing of troops on both sides of the border and along the Line of Control (LoC) in the region of Kashmir	The Five Principles of Peaceful Coexistence also known as Panchsheel, were mentioned in the preamble of the Sino-Indian Agreement 1954. The Five Principles, as stated in the Sino–Indian Agreement 1954, are listed as: <ul style="list-style-type: none"> <li>I. mutual respect for each other's territorial integrity and sovereignty,</li> <li>II. mutual non-aggression,</li> <li>III. mutual non-interference in each other's internal affairs,</li> <li>IV. equality and co-operation for mutual benefit, and.</li> <li>V. peaceful co-existence</li> </ul>

Source: <https://www.thehindu.com/news/international/amid-chill-in-relations-new-pla-history-returns-spotlight-to-1962-war/article38350423.ece>

**Q.6) Consider the following statements regarding 'Economic survey 2021-22'**

1. Growth estimate suggests a recovery over the pre-pandemic levels of 2019-20 by 9.2%
2. Investment to GDP ratio is the highest in the last seven years

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.6) Solution(b)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>

9.2% growth estimate for 2021-22 suggested a recovery above the pre-pandemic level of 2019-20 by 1.3%

The country's investment to GDP ratio had hit 29.6% in 2021-22, the highest level in seven years, the Survey explained, attributing this capital formation to the government's policy thrust on quickening the 'virtuous cycle of growth via capex and infrastructure spending' had increased capital formation in the economy.

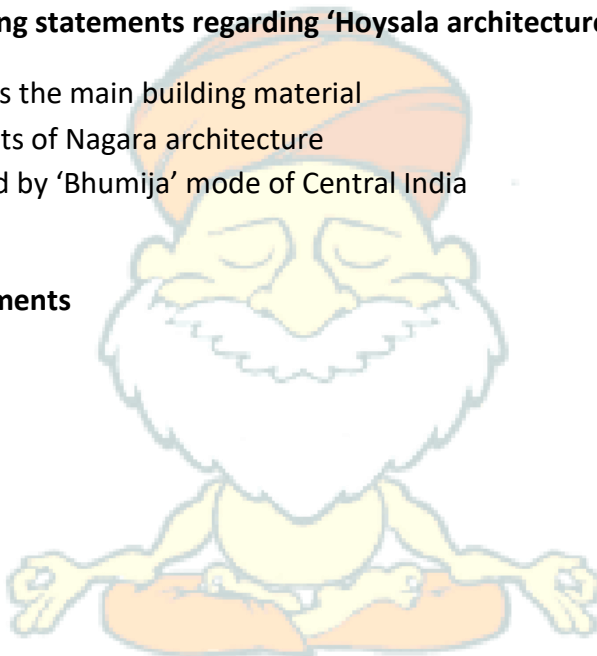
Source: <https://www.thehindu.com/business/budget/economic-survey-projects-8-85-growth-in-2022-23/article38352681.ece>

**Q.7) Consider the following statements regarding 'Hoysala architecture'**

1. Soft soapstone was the main building material
2. It contains elements of Nagara architecture
3. It is also influenced by 'Bhumija' mode of Central India

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above



**Q.7) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
Hoysala architecture is characterised by a complex profusion of sculpture decorating all the temple parts chiselled of soft soapstone (chloritic schist), a good material for intricate carving, executed mostly by local craftsmen, and exhibit	The Hoysala architects used their profound knowledge of temple architecture in different parts of India, and these temples have a basic Dravidian morphology but show strong influences of the the Nagara traditions of Northern and Western India,	Hoysala architecture also shows influence of Bhumija mode widely used in Central India.

architectural features that distinguish them from other temple architectures of South India	and the Karnataka Dravida modes favoured by the Kalyani Chalukyas	
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Source: <https://www.thehindu.com/news/national/karnataka/hoysala-temples-are-indias-nomination-for-world-heritage-tag/article38355478.ece>

**Q.8) 'Annual Status of Education Report' is conducted by**

- a) Niti Aayog
- b) Ministry of Women and Child Development
- c) NGO Pratham
- d) Ministry of Education

**Q.8) Solution(c)**

Annual Status of Education Report (ASER) is an annual survey that aims to provide reliable estimates of children's enrolment and basic learning levels for each district and state in India. ASER has been conducted every year since 2005 in all rural districts of India. It is the largest citizen-led survey in India. It is conducted by NGO Pratham.

Source: <https://www.thehindu.com/news/national/economic-survey-govt-admits-to-lack-of-data-to-study-covid-impact-on-learning/article38355262.ece>

**Q.9) Consider the following statements**

1. India contains 6% of the world's forest area
2. Top ten countries account for two-thirds of the world's forest area

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.9) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
India has increased its forest area in the past decade and ranks third globally in average annual net gain in forest area from 2010-2020, the Department of Economic Affairs said in the annual Economic Survey. Forests covered 24% of India's total geographical area accounting for 2% of the world's total forest area in 2020	The top 10 countries account for 66% of the world's forest area. Of these Brazil (59%), Peru (57%), Democratic Republic of Congo (56%) and Russia (50%) have half or more of their total geographical area under forests.

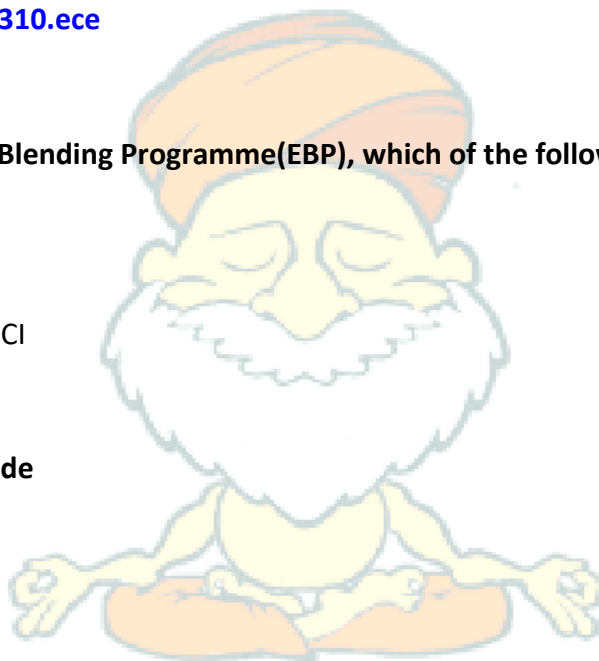
Source: <https://www.thehindu.com/news/national/india-ranks-third-globally-in-forest-area-gain-survey/article38355310.ece>

**Q.10) Under the Ethanol Blending Programme(EBP), which of the following can be used as raw materials**

1. Maize
2. Surplus rice with FCI
3. Sugarcane

**Select the appropriate code**

- a) 1 and 2
- b) 1 and 3
- c) 2 and 3
- d) 1, 2 and 3



**Q.10) Solution(d)**

Current regulations in the country allow production of ethanol from sugarcane, sugar, molasses, maize and damaged food grains unfit for human consumption. Further, surplus rice with FCI is also allowed.

Source: <https://www.thehindu.com/business/ethanol-output-to-touch-302-cr-litres-for-supply-year-2020-21/article38355190.ece>



**Q.11) Consider the following statements regarding 'Digital Rupee'**

1. It will be issued by the National Payments Corporation of India (NPCI)
2. It will make use of blockchain technology

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.11) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
Incorrect	Correct
Digital Rupee will be issued by the Reserve Bank of India starting 2022-23	The Central Bank Digital Currency (CBDC) will use block chain and other technologies.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1794160>

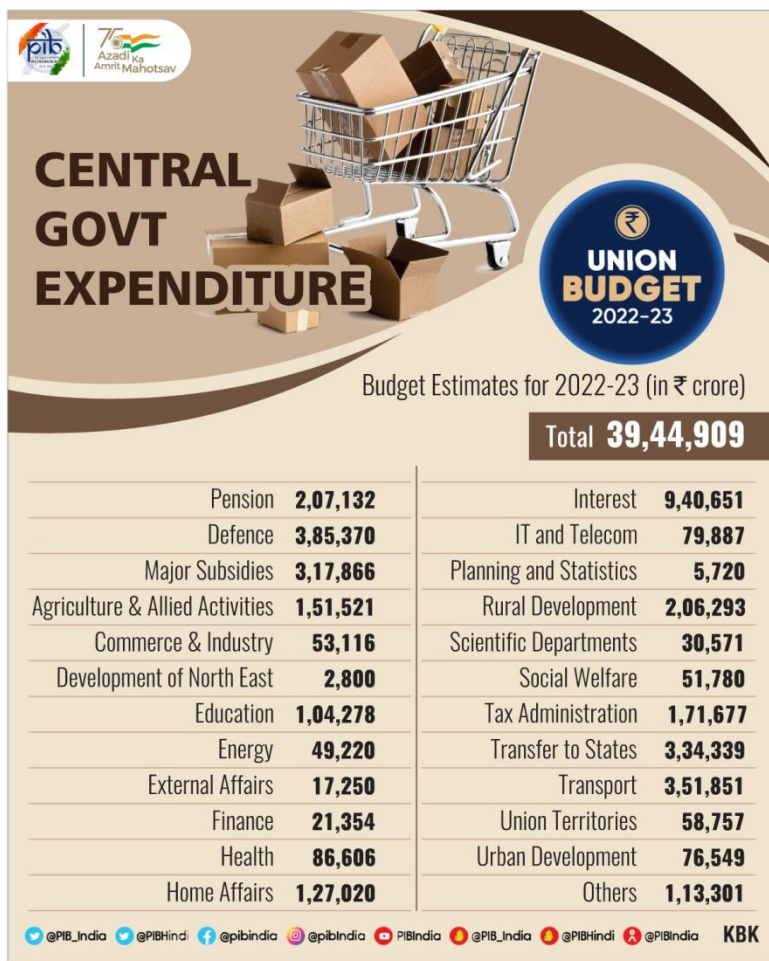
**Q.12) Arrange the following items in the increasing order of their expenditure according to Union Budget 2022-23.**

1. Interest payments
2. Transfer to states
3. Health
4. Transport

**Select the appropriate code**

- a) 2-3-4-1
- b) 3-4-2-1
- c) 3-2-4-1
- d) 4-3-1-2

**Q.12) Solution(c)**



Source: <https://www.thehindu.com/business/budget/union-budget-2022-outlay-for-capital-expenditure-stepped-up-by-354-to-75-lakh-crores-in-2022-23-fm/article38357820.ece>

**Q.13) 'RAMP Programme' recently announced in budget is related to**

- Space technology
- Promoting research in medicine
- Rural development
- MSME

**Q.13) Solution(d)**

Raising and Accelerating MSME Performance (RAMP) programme with outlay of Rs 6,000 crore over 5 years will be rolled out to make the MSME sector more resilient, competitive and efficient.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1794167>

**Q.14) Consider the following statements regarding 'Prime Minister's Development Initiative For North-East (PM-DevINE)' scheme**

1. It will fund infrastructure and social development projects
2. Ministry of Development of North Eastern Region will implement the scheme

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.14) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
The scheme will fund infrastructure, in the spirit of PM GatiShakti, and social development projects based on felt needs of the North-East. This will enable livelihood activities for youth and women, filling the gaps in various sectors.	PM-DevINE will be implemented through the North-Eastern Council. An initial allocation of Rs. 1,500 crore will be made for the new scheme.

**Source:** <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1794230>

**Q.15) Consider the following statements**

1. Capital expenditure forms nearly one-third of the total expenditure
2. Capital expenditure includes expenditure on health, education
3. Effective capital expenditure is the capital expenditure excluding grants in aids to states for creation of capital assets

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 only
- c) 2 and 3 only

d) 3 only

### Q.15) Solution(b)

#### Statement Analysis:

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
Capital expenditure forms nearly 20% of the total expenditure in this year's budget	Capital expenditure is the money spent by the government on the development of machinery, equipment, building, health facilities, education, etc. It also includes the expenditure incurred on acquiring fixed assets like land and investment by the government that gives profits or dividend in future.	Capital expenditure taken together with the provision made for creation of capital assets through Grants-in-Aid to States, the 'Effective Capital Expenditure' of the Central Government is estimated at Rs. 10.68 lakh crore in 2022-23, which will be about 4.1% of GDP

Source: <https://indianexpress.com/article/explained/budget-2022-nirmala-sitharaman-capex-allocation-7751141/>

### Q.16) Consider the following statements regarding 'Mahatma Gandhi National Rural Employment Generation Act (MGNREGA)

1. It aims to provide at least 4 months of wage employment in a financial year to do unskilled manual work
2. Unemployment allowance is to be provided if work is not given after 15 days of enrolment

#### Choose the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

### Q.16) Solution(b)

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
It aims to enhance livelihood and security in rural areas by providing at least 100 days of wage employment in a financial year to every household whose adult members volunteer to do unskilled manual work	If work is not provided within 15 days of applying, applicants are entitled to an unemployment allowance. That is, if the government fails to provide employment, it has to provide certain unemployment allowances to those people. Thus, employment under MGNREGA is a legal entitlement

Source: <https://www.thehindu.com/news/national/3358-crore-mgnrega-wage-payments-pending-government-tells-rajya-sabha/article38366264.ece>

**Q.17) Consider the following statements regarding 'Export-Import Bank of India'**

1. It extends Lines of Credit (LOCs) to overseas financial institutions, regional development banks, sovereign governments
2. The Bank was established by the Government of India, under the Banking Regulation Act of 1949

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.17) Solution(a)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
Exim Bank extends Lines of Credit (LOCs) to overseas financial institutions, regional development banks, sovereign governments and other entities overseas, to enable buyers	Exim Bank was established by the Government of India, under the Export-Import Bank of India Act, 1981 as a purveyor of export credit, mirroring global Export Credit Agencies

in those countries to import developmental and infrastructure projects, equipment, goods and services from India, on deferred credit terms	
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Source: <https://www.thehindu.com/news/national/exim-bank-sri-lanka-sign-500-million-loan-agreement/article38367026.ece>

**Q.18) Sultanpur National Park which was seen in news recently is located in**

- a) Rajasthan
- b) Uttar Pradesh
- c) Haryana
- d) Bihar

**Q.18) Solution(c)**

Sultanpur National Park (Ramsar site) is located at Sultanpur village on Gurugram-Jhajjar highway, 15 km from Gurugram, Haryana and 50 km from Delhi in India. The wetland harbours a rich plant and animal life: it supports more than 220 species of resident, winter migratory and local migratory waterbirds at critical stages of their life cycles.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1794784>

**Q.19) Which of the following statement(s) regarding 'Controller General of Accounts (CGA)' is/are CORRECT**

1. CGA formulates policies relating to general principles, form and procedure of accounting for the State Governments
2. CGA exercises power under Article 150 of the constitution
3. The office comes under the Department of Expenditure in Finance Ministry

**Select the appropriate code**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

## Q.19) Solution(d)

## Statement Analysis:

Statement 1	Statement 2	Statement 3
Correct	Correct	Correct
CGA formulates policies relating to general principles, form and procedure of accounting for the Central and State Governments	Under Article 150 of the Constitution, the Annual Appropriation Accounts (Civil) and Union Finance Accounts are submitted to Parliament on the advice of Comptroller and Auditor General of India	The Controller General of Accounts (CGA), in the Department of Expenditure, Ministry of Finance, is the Principal Accounting Adviser to Government of India

Source: <https://www.thehindu.com/opinion/op-ed/creating-jobs-by-increasing-capex/article38367086.ece>

## Q.20) Consider the following statements

1. Jharkhand is the highest producer of coal in India
2. India was earlier dependent on coal imports, but has now become self-sufficient in meeting demand for coal

## Choose the correct statements

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

## Q.20) Solution(d)

## Statement Analysis:

Statement 1	Statement 2
Incorrect	Incorrect
Chhattisgarh is the top producer of coal in India. It is followed by Odisha , Madhya Pradesh and Jharkhand.	India produced 716 Million Tonnes of coal in 2020-21 and imported 214 Million Tonnes of coal in the same fiscal

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1794791>

**Q.21) Consider the following statements**

1. The power to frame a law prescribing a requirement of residence in a particular state lies with parliament only
2. Reservation of jobs for locals violate right to equality only

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.21) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
Correct	Incorrect
Article 16(3) empowers the Parliament to make a law “prescribing” a requirement of residence for jobs in a particular state. This power vests solely in the Parliament, not state legislatures	It not only violates right to equality(Article 14,16) but also right to freedom under Article 19 (as outsiders won't be able to effectively do any job of their choice in the state)

Source: <https://www.thehindu.com/news/national/hc-stays-haryana-law-on-75-job-quota-for-locals/article38370119.ece>

**Q.22) 'Shivay , Siddhi , Pravega ' seen in news recently are**

- a) Drone prototypes
- b) Expeditions to polar regions
- c) Supercomputers
- d) Genetically modified varieties of maize

**Q.22) Solution(c)**



Shivay, Siddhi, Pravega are super computers under PARAM series. PARAM also stands for Parallel machine.

Source: <https://www.thehindu.com/news/cities/bangalore/iisc-commissions-one-of-indias-most-powerful-supercomputers/article38369811.ece>

**Q.23) Consider the following statements regarding 'Compensatory Afforestation Fund Management and Planning Authority (CAMPA)'**

1. The funds received under this provision are shared equally between centre and states
2. It has been established by amending Forest Conservation Act of 1980

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.23) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The Act established a National Compensatory Afforestation Fund under the Public Account of India and State Compensatory Afforestation Fund under the Public Account of each state. The State Funds will receive 90% of the payments while National Fund will receive remaining 10%.	CAMPA Act or Compensatory Afforestation Fund Act is an Indian legislation that established the Compensatory Afforestation Management and Planning Authority (CAMPA) and the Compensatory Afforestation Fund (CAF)

Source: <https://www.thehindu.com/opinion/op-ed/the-curious-case-of-meghalayas-covid-19-relief-package/article38372608.ece>

**Q.24) Consider the following pairs of regions sometimes mentioned in news vs Country**

1. Shabwa: Nigeria
2. Idlib: Syria

3. Minsk: Belarus

Which of the pairs given above are correctly matched

- a) 1 and 2 only
- b) 2 only
- c) 2 and 3 only
- d) All the above

**Q.24) Solution(c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
Incorrect	Correct	Correct
Shabwa is a province in Yemen	Idlib is province in north-western Syria.	Minsk is the capital of Belarus.

Source: <https://www.thehindu.com/news/international/yemen-government-forces-sweep-through-marib/article38330394.ece>

<https://www.thehindu.com/news/international/joe-biden-says-islamic-state-leader-killed-during-us-raid-in-syria/article38371296.ece>

<https://www.thehindu.com/news/international/russia-deploys-more-troops-in-belarus-says-nato/article38372955.ece>

**Q.25) Consider the following statements regarding 'River Cities Alliance'**

- 1. It is a global initiative launched under the aegis of World bank and UN-Water
- 2. The Alliance is open to all river cities of India

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.25) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
The River Cities Alliance (RCA) has been launched by Ministry of Jal Shakti along with the Ministry of Housing and Urban Affairs with the objective to provide the member cities with a platform to discuss and exchange information on aspects that are vital for sustainable management of urban rivers, sharing best practices and supporting innovation.	The Alliance is open to all river cities of India. Any river city can join the Alliance at any time.

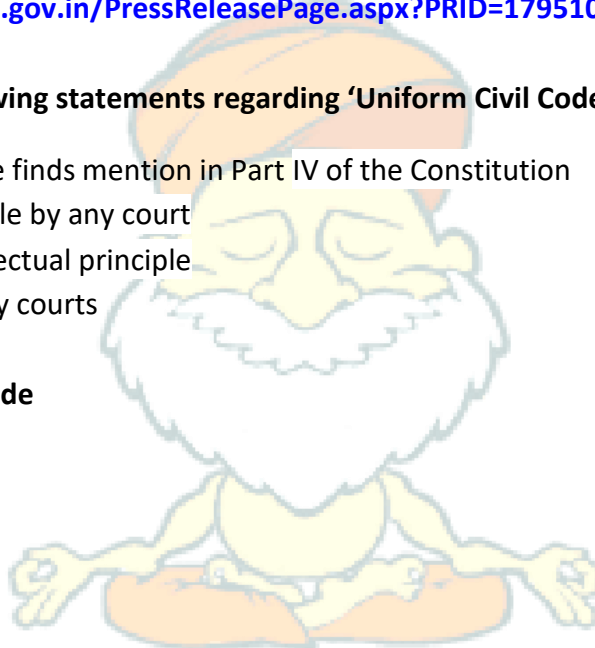
Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1795103>

**Q.26) Which of the following statements regarding 'Uniform Civil Code' are CORRECT**

1. Uniform Civil Code finds mention in Part IV of the Constitution
2. It is not enforceable by any court
3. It is a liberal intellectual principle
4. It is enforceable by courts

**Select the appropriate code**

- a) 1, 2 and 3
- b) 2, 3 and 4
- c) 1, 3 and 4
- d) 1, 2 and 4



**Q.26) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3	Statement 4
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
Article 44 of the Indian Constitution reads "The State shall endeavour to secure the citizens a uniform civil code throughout	Being a Directive Principle, it is not enforceable by any court	It comes under liberal intellectual principles of Directive Principles of State Policy.	Being a Directive Principle, it is not legally enforceable by any court.

the territory of India" Article 44 comes under DPSP which comes under part IV of the Constitution			
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Source: <https://www.thehindu.com/news/national/22nd-law-commission-may-take-up-uniform-civil-code-issue-rijju/article38375403.ece>

**Q.27) Consider the following statements regarding 'Private member's bill'**

1. Private member's bill can be introduced to amend the constitution
2. No private member's bill has been passed by any house of Parliament in the last decade

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.27) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
Under Article 368 , Constitution amendment bill can be introduced by minister or by a private member	The Rights of Transgender Persons Bill, 2014 was passed by the upper house Rajya Sabha on 24 April 2015. The Bill was introduced in the Rajya Sabha by Dravida Munnetra Kazhagam leader Tiruchi Siva as a private member's bill. The Bill is considered historic as for being the first private member's bill to be passed by any house in 36 years and by Rajya Sabha in 45 years.

Source: <https://www.thehindu.com/news/national/rajya-sabha-debates-use-of-private-bills-to-amend-preamble-to-constitution/article38377476.ece>

**Q.28) This national park is part of the Aravali range. Dhok trees are predominant here .It is home to India's largest population of peafowl and an important habitat for tigers. The national park is**

- a) Satkosia National Park
- b) Velavadar National Park
- c) Sariska National Park
- d) Kanha National Park

**Q.28) Solution(c)**

It is a part of the Aravalli Range and the Khathiar-Gir dry deciduous forests ecoregion. Nearly 90% of the area in the sanctuary is covered with dhok trees accommodating various wildlife species. The Sariska National Park is home to India's largest population of peafowl, and harbours quail, sand grouse, golden- backed woodpeckers and crested serpent eagles, among other species.

Source: <https://www.thehindu.com/news/national/other-states/better-habitat-management-helps-tigers-flourish-in-sariska/article38384504.ece>

**Q.29) Consider the following statements regarding 'Golden Langur'**

1. Its IUCN status is critically endangered
2. It is found in North-Eastern India

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.29) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
IUCN status of Golden Langur is endangered.	Golden langur is found in an area of approximately 30,000 square kilometres on the south by the Brahmaputra River, on the east by the Manas River, on the west by the

Sankosh River, in Assam, India, and on the north by the Black Mountains of Bhutan.

Source: <https://www.thehindu.com/news/national/other-states/assam-villagers-oppose-sanctuary-tag-for-golden-langur-habitat/article38376951.ece>

**Q.30) With reference to 'Quantum computing', consider the potential applications**

1. Computational biology
2. Machine learning
3. Generative chemistry
4. Weather forecasting
5. Drug design

Select the correct answer using the code given below:

- a) 1, 2, 3 and 5 only
- b) 1, 3 and 4 only
- c) 2, 4 and 5 only
- d) 1, 2, 3, 4 and 5

**Q.30) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3	Statement 4	Statement 5
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
In the field of computational biology, quantum computing has played a big role in solving many biological problems. One of the well-known examples would be in computational	While machine learning algorithms are used to compute immense quantities of data, quantum machine learning utilizes qubits and quantum operations or specialized quantum	Quantum computers are naturally good for solving complex quantum many-body problems and thus may be instrumental in applications involving quantum	Application of quantum machine learning can help in improving pattern recognition, which, in turn, will make it easier for scientists to predict extreme weather events	Advancements in quantum computing could enhance efficiency dramatically, by allowing companies to carry out more drug discoveries to uncover new medical treatments for

genomics and how computing has drastically reduced the time to sequence a human genome.	systems to improve computational speed and data storage done by algorithms in a program	chemistry.	and potentially save thousands of lives a year	the better pharmaceutical industry.
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Source: <https://www.thehindu.com/sci-tech/science/a-quantum-solution-to-a-243-year-old-maths-problem/article38384359.ece>

**Q.31) Consider the following:**

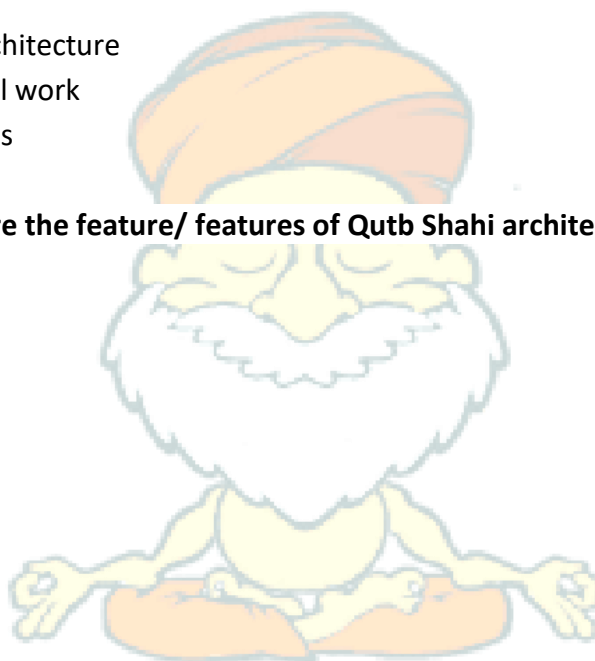
1. Indo-Saracenic architecture
2. Stucco ornamental work
3. Jali latticed screens

**Which of the above is/ are the feature/ features of Qutb Shahi architecture?**

- a) 1 Only
- b) 1 and 2 only
- c) 2 and 3 only
- d) 1, 2 and 3

**Q.31) Solution(c)**

**Statement Analysis:**



Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
Qutb Shahi architecture is the distinct style of Indo-Islamic architecture developed during the reign of the Qutb Shahi dynasty, also known as the Golconda Sultanate	Heavy stucco ornamental work is a feature of Qutb Shahi architecture	Jali latticed screens and landscaped gardens are a feature of Qutb Shahi architecture

Source: <https://www.thehindu.com/news/national/centre-plans-to-tweak-no-build-zone-around-monuments/article38388350.ece>

**Q.32) “Essential religious practices test” which is seen in news recently was an outcome of**

- Keshavananda Bharati judgement
- Shirur mutt judgement
- Sabarimala judgement
- Shayara Bano judgment

**Q.32) Solution(b)**

In the Commissioner, Hindu Religious Endowments, Madras vs Sri Lakshmindra Thirtha Swamiar of Sri Shirur Mutt case, or Shirur Mutt, of 1954, the court ruled, “what constitutes the essential part of a religion is primarily to be ascertained with reference to the doctrines of the religion itself”.

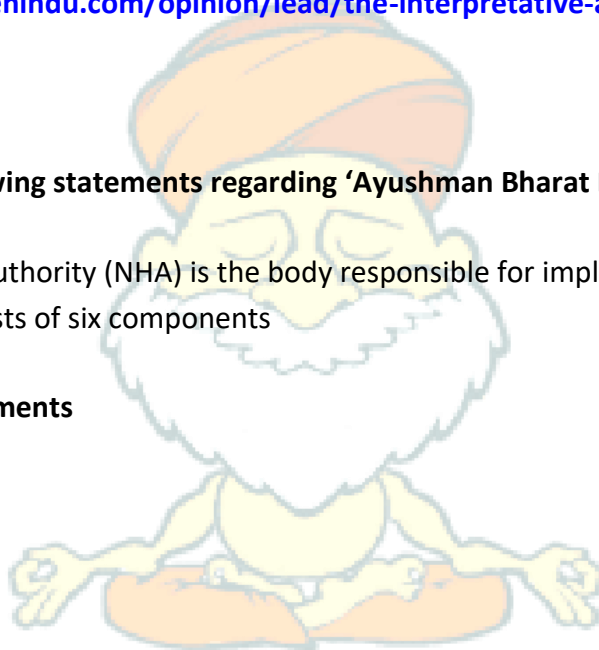
Source: <https://www.thehindu.com/opinion/lead/the-interpretative-answer-to-the-hijab-row/article38389321.ece>

**Q.33) Consider the following statements regarding ‘Ayushman Bharat Digital Mission’**

- National Health Authority (NHA) is the body responsible for implementing ABDM
- The mission consists of six components

**Choose the correct statements**

- 1 Only
- 2 Only
- Both 1 and 2
- Neither 1 nor 2



**Q.33) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
National Health Authority (NHA) has been entrusted with the role of designing strategy, building technological infrastructure and implementation of “Ayushman Bharat Digital Mission” to create a National Digital Health Eco-system.	ABDM consists of five components namely <ol style="list-style-type: none"> <li>ABHA Number.</li> <li>Health Facility Registry. ...</li> <li>ABHA App</li> <li>Healthcare Professionals Registry. ...</li> </ol>



v. Unified Health Interface (UHI)

Source: <https://www.thehindu.com/opinion/op-ed/weighing-in-on-a-health-data-retention-plan/article38389337.ece>

**Q.34) Consider the following statements**

1. Spectrum is allocated on auction basis in India
2. Spectrum allocated is valid for 15 years
3. The Telecom Regulatory Authority of India is responsible for allocation of spectrum

**Choose the correct statements**

- a) 1 Only
- b) 1 and 2 only
- c) 1 and 3 only
- d) 2 and 3 only

**Q.34) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Incorrect</b>
Spectrum allocation in India is done on auction basis	Spectrum allocation is valid for a period of 20 years, which can be extended by an additional 10 years once per licence per circle.	In India, the Department of Telecommunications (DoT) conducts auctions of licenses for electromagnetic spectrum. India was among the early adopters of spectrum auctions beginning auctions in 1994.

Source: <https://www.thehindu.com/opinion/editorial/fixing-frequencies-first-on-5g-economic-payoff-in-budget-speech/article38389296.ece>

**Q.35) Consider the following statements regarding 'Intensified Mission Indradhanush 4.0'**

1. It is a joint initiative of Ministry of Health & Family Welfare and Ministry of Women and Child Development
2. The scheme has a special focus on tribal majority districts

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.35) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
It is an initiative of Ministry of Health and Family Welfare. It is supported by 11 other ministries and departments, such as Ministry of Women and Child Development, Panchayati Raj, Ministry of Urban Development, Ministry of Youth Affairs among others.	Intensified Mission Indradhanush 4.0 will have three rounds and will be conducted in 416 districts (including 75 districts identified for Azadi ka Amrit Mahotsav) across 33 States/UTs in the country. Mission Indradhanush was also identified as one of the flagship schemes under Gram Swaraj Abhiyan (16,850 villages across 541 districts) and Extended Gram Swaraj Abhiyan (48,929 villages across 112 aspirational districts). But there is no mention of tribal majority districts.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1796099>

**Q.36) Consider the following statements regarding 'Motion of Thanks'**

1. Failure to pass the motion does not result in the fall of the Government
2. No amendments are allowed to the 'Motion of Thanks'

**Choose the correct statements**

- a) 1 Only

- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.36) Solution(d)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The Motion of Thanks must be passed in the House. Otherwise, it amounts to the defeat of the government. It is one of the ways through which the Lok Sabha can also express a lack of confidence in the government.	If any of the amendments is accepted then the Motion of Thanks is adopted in the amended form. Amendments are allowed to the motion.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1796348>

**Q.37) Consider the following applications**

1. Dumping fly ash
2. Pisciculture
3. Afforestation
4. Drinking water storage
5. Eco and mine tourism

Which of the above activities can be done by making use of abandoned coal mines?

- a) 1, 3 and 5 only
- b) 1, 2 and 5 only
- c) 1, 2, 3 and 5 only
- d) All the above

**Q.37) Solution(d)**

Abandoned coal mines are used for the following purposes:

1. Dumping /Filling of fly ash in to the worked out area for suitable reclamation.
2. Development of eco and mine tourism parks
3. Afforestation
4. Pisciculture

5. Source to supply of drinking water and other domestic use.
6. Generation of sand from overburden of opencast mines at few places

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1796211>

**Q.38) Consider the following statements**

1. There are no cheetah left in wild in India
2. They are the flagship species of rainforest and mangrove ecosystem

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.38) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
Cheetah is the only large carnivore to have become extinct in Independent India. There are no cheetah left in wild in India, therefore, to introduce them in India they have to be brought from abroad	Restoration of cheetah will likely result in better conservation of open forest, grassland, and scrub ecosystems for which they will serve as a flagship species.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1796219>

**Q.39) 'Operation AAHT' recently seen in news is related to**

- a) Cyber security
- b) Human trafficking
- c) Illegal trade of exotic species
- d) Naxal combing operations

**Q.39) Solution(b)**

Railway Protection Force has launched a nationwide operation to curb human trafficking. As part of "Operation AAHT", special teams will be deployed on all long-distance trains/routes with focus on rescuing victims, particularly women and children, from the clutches of traffickers.

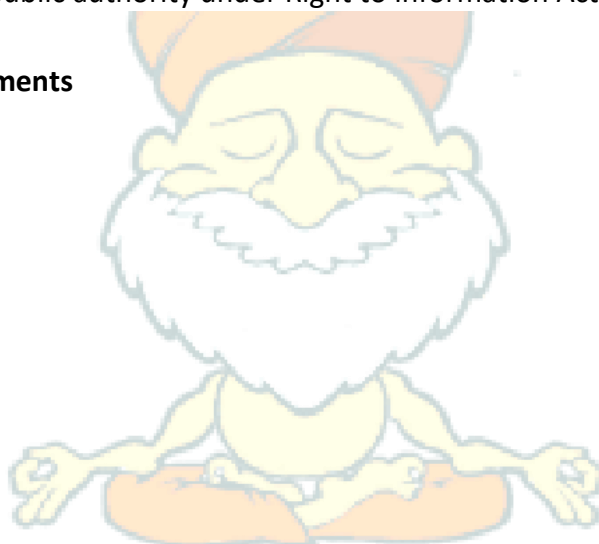
Source: <https://www.thehindu.com/news/national/rpf-launches-nationwide-operation-to-curb-human-trafficking/article38393420.ece>

**Q.40) Consider the following statements regarding 'Prime Minister's Citizen Assistance and Relief in Emergency Situations Fund (PM CARES Fund)'**

1. The PM CARES Fund is exempt from scrutiny and monitoring of all foreign donations
2. The fund is audited by the Comptroller and Auditor General of India
3. The fund is not a public authority under Right to Information Act,2005

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.40) Solution(c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
Foreign contributions and donations are regulated by the Foreign Contribution (Regulation) Act 2010 (FCRA) which requires registration, and regular documentation of funds received; however, the Fund has been exempted from all provisions of the FCRA	The PM CARES Fund is not being audited by the CAG, and is being audited by a private party appointed directly by the Government of India instead	The Fund is not a "public authority" as far as transparency laws such as the Right to Information Act 2005 are concerned

Source: <https://www.thehindu.com/news/national/pm-cares-collects-10990-crore-only-spends-36/article38394144.ece>

**Q.41) Consider the following statements:**

1. Certified seed is the purest form of seed compared to breeder seed
2. Breeder seed is produced from foundation seed

**Choose the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.41) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
Nucleus seed is 100 percent pure. Breeder seed is produced from nucleus seed and the genetic purity of breeder seed crop should be maintained at 100 per cent. Foundation seed is the progeny of breeder seed and the genetic purity of foundation seed should be maintained at 99.5 per cent. Finally, Certified seed is the progeny of foundation seed and is 99 percent pure.	Breeder seed is produced from nucleus seed under the supervision of a qualified plant breeder in a research institute of Agricultural University. The genetic purity of breeder seed crop should be maintained at 100 per cent.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1796558>

**Q.42) Consider the following statements:**

1. Right to Freedom of Religion also includes the right to convert others
2. Right to Freedom of Religion is not an absolute right

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.42) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
Right to Freedom of Religion does not include the right to convert others as it goes against that individual's Right to Conscience(Article 25)	Right to Freedom of Religion is not an absolute right and is subject to reasonable restrictions. These restrictions are: Public order, morality and health and other provisions of the Constitution.

Source: <https://www.thehindu.com/news/national/other-states/haryana-cabinet-gives-nod-to-draft-haryana-prevention-of-unlawful-conversion-of-religious-bill/article38396811.ece>

**Q.43) Consider the following statements regarding 'Pradhan Mantri Annadata Aay Sanrakshan Abhiyan'**

1. The scheme has three components
2. States/UTs are offered to choose either PSS and PDPS in a given procurement season with respect to particular oilseeds crop for the entire State

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.43) Solution(c)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
<p>The three components outlined under the scheme are</p> <ol style="list-style-type: none"> <li>1. Price Support Scheme (PSS)</li> <li>2. Price Deficiency Payment Scheme (PDPS)</li> <li>3. Pilot of Private Procurement &amp; Stockist Scheme (PPPS)</li> </ol>	<p>Under PM-AASHA, States/UTs are offered to choose either PSS or PDPS in a given procurement season with respect to particular oilseeds crop for the entire State. Pulses and Copra are procured under PSS. Only one scheme i.e. PSS or PDPS may be made operational in one State with respect to one commodity.</p>

Source: <https://www.thehindu.com/opinion/op-ed/step-up-agri-spending-boost-farm-incomes/article38398661.ece>

**Q.44) It is the world's largest humanitarian organization focused on hunger and food security. It is the food assistance branch of the United Nations. The organization is**

- a) Food and Agriculture Organization(FAO)
- b) World Food Programme(WFP)
- c) United Nations Children's Fund(UNICEF)
- d) Oxfam

**Q.44) Solution(b)**

The World Food Programme is the food-assistance branch of the United Nations. It is the world's largest humanitarian organization focused on hunger and food security, and the largest provider of school meals. Founded in 1961, it is headquartered in Rome and has offices in 80 countries.

Source: <https://www.thehindu.com/news/international/13-million-face-severe-hunger-in-horn-of-africa-un/article38398409.ece>

**Q.45) With reference to India's economy, consider the following statements:**

1. India's debt to GDP ratio is one of the highest in the emerging market economies
2. India's debt to GDP ratio is low compared to USA but higher than Japan

**Choose the correct statements**



- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.45) Solution(a)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
According to a report released by Fitch [Ratings], India has one of the highest debt-to-GDP ratios in emerging market countries	India's debt-to-GDP ratio is far lower than the United States, Japan, and other such highly-rated countries in Europe

Source: <https://www.thehindu.com/business/Economy/rating-firms-have-double-standards-says-union-finance-secretary/article38398343.ece>

**Q.46) Consider the following statements**

1. Deuterium and Tritium which are isotopes of Carbon are used in nuclear fusion
2. A kilogram of fusion fuel produces several million times as much energy as a kilogram of coal, oil or gas
3. Nuclear weapons as of now work on nuclear fission and efforts are on to develop them using nuclear fusion

**Choose the correct statements**

- a) 1 Only
- b) 1 and 2 only
- c) 2 only
- d) 2 and 3 only

**Q.46) Solution(c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
Deuterium and tritium, which	A kg of fusion fuel contains	Nuclear fusion weapons are

are isotopes of hydrogen, are heated to temperatures 10 times hotter than the centre of the sun to create plasma in a nuclear fusion reaction.	about 10 million times as much energy as a kg of coal, oil or gas.	generally referred to as thermonuclear weapons or more colloquially as hydrogen bombs. Thermonuclear weapons are considered much more difficult to successfully design and execute than primitive fission weapons. Almost all of the nuclear weapons deployed today use the thermonuclear design because it is more efficient
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Source: <https://www.thehindu.com/sci-tech/science/scientists-in-britain-smash-fusion-energy-record/article38403008.ece>

**Q.47) Consider the following statements regarding Coastal Vulnerability Index (CVI)**

1. Indian National Centre for Ocean Information Services (INCOIS) which comes under Ministry of Earth Sciences has brought out Coastal Vulnerability Index(CVI)
2. According to this survey, Gujarat's coast is going to be the most affected by terms of percentage
3. CVI determine the coastal risks due to future sea-level rise based on the physical and geological parameters for the Indian coast

**Choose the correct statements**

- a) 1 Only
- b) 1 and 2 only
- c) 2 and 3 only
- d) All the above

**Q.47) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
Correct	Incorrect	Incorrect

<p>Indian National Centre for Ocean Information Services (INCOIS) which comes under Ministry of Earth Sciences has brought out Coastal Vulnerability Index(CVI)</p>	<p>It can be delineated that Gujarat's 124 coastal kilometers is going to get affected or 5.36%, Maharashtra 11 km or 1.22% and then Karnataka &amp; Goa 48 km or 9.54%, Kerala 15 km or 2.39%, Tamil Nadu 65 km or 6.38%, Andhra Pradesh 6 km or 0.55 %, Odisha 37 km or 7.51% West Bengal 49 km or 2.56%, Lakshadweep Islands 1 km or 0.81%, Andaman Islands 24 km or 0.96km and Nicobar Islands 8 km or 0.97%. It is terms of length that Gujarat's coast is going to be affected</p>	<p>While the maps determine the coastal risks due to future sea-level rise based on the physical and geological parameters for the Indian coast, the CVI uses the relative risk that physical changes will occur as sea-level rises are quantified based on parameters like: tidal range; wave height; coastal slope; coastal elevation; shoreline change rate; geomorphology; and historical rate of relative sea-level change</p>
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Source: <https://www.thehindu.com/news/national/telangana/incois-prepares-coastal-vulnerability-index/article38396960.ece>

**Q.48) 'Minsk accords' recently seen in news is related to**

- a) NATO establishment
- b) Ending violence between Ukraine and Russia
- c) Mechanism to bypass trade sanctions against Iran
- d) Finding a long term solution for Palestine

**Q.48) Solution(b)**

The Minsk Protocol is an agreement which sought to end war in the Donbas region of Ukraine. It was written in 2014 by the Trilateral Contact Group on Ukraine, consisting of Ukraine, the Russian Federation, and the Organization for Security and Co-operation in Europe (OSCE) with mediation by the leaders of France and Germany in the so-called Normandy Format.

Source: <https://www.thehindu.com/opinion/editorial/the-french-format-the-hindu-editorial-on-emmanuel-macrons-shuttle-diplomacy-between-russia-and-ukraine/article38403873.ece>

**Q.49) Which of the following statements regarding 'mRNA vaccines' are correct**

1. mRNA from vaccines does not enter the nucleus and does not alter DNA.
2. mRNA vaccines work by the process of transcription only
3. mRNA vaccines are required to be stored in sub-zero conditions

**Select the appropriate code**

- a) 1, 2 only
- b) 2, 3 only
- c) 1, 3 only
- d) 1,2 and 3

**Q.49) Solution(c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
mRNA uses the information in genes to create a blueprint for making proteins. Once cells finish making a protein, they quickly break down the mRNA. mRNA from vaccines does not enter the nucleus and does not alter DNA	Expressing a gene means manufacturing its corresponding protein, and this multilayered process has two major steps. In the first step, the information in DNA is transferred to a messenger RNA (mRNA) molecule by way of a process called transcription. During translation, which is the second major step in gene expression, the mRNA is "read" according to the genetic code, which relates the DNA sequence to the amino acid sequence in proteins	A limitation of the mRNA vaccines, or those made by Pfizer and Moderna, was that they were required to be stored in sub-zero conditions

**Source:** <https://www.thehindu.com/news/national/indias-first-mrna-covid-19-vaccine-likely-to-be-rolled-out-by-april/article38403287.ece>

**Q.50) Consider the following statements regarding 'SVAMITVA scheme'**

1. It aims to provide the 'Record of Rights' to village household owners possessing houses in uninhabited areas using drone
2. It is a central sector scheme under the Ministry of Rural Development

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.50) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
It aims to provide the 'Record of Rights' to village household owners possessing houses in inhabited areas in villages with issuance of legal ownership rights (Property cards/Title deeds) using drones.	It is a central sector scheme under the Ministry of Panchayati Raj. It is being implemented with the collaborative efforts of the Ministry of Panchayati Raj, Survey of India (Sol), State Revenue Department, State Panchayati Raj Department and National Informatics Centre

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1796817>

**Q.51) Consider the following statements regarding 'Monetary Policy Committee'**

1. It is a statutory body established under Reserve Bank of India Act of 1934
2. The committee consists of six members who are supposed to meet at least three times a year
3. The inflation target is set by the Government in consultation with the RBI
4. The committee is answerable to the Government if the inflation target is exceeded for three consecutive quarters

**Choose the correct statements**

- a) 1, 2 and 3
- b) 2, 3 and 4
- c) 1, 3 and 4
- d) 1, 2 and 4

**Q.51) Solution(c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3	Statement 4
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
The Monetary Policy Committee (MPC) is constituted by the Central Government under Section 45ZB of the Reserve Bank of India Act, 1934	Section 45ZB of the amended RBI Act, 1934 provides for an empowered six-member monetary policy committee (MPC) The MPC is required to meet at least four times in a year	The amended RBI Act also provides for the inflation target to be set by the Government of India, in consultation with the Reserve Bank, once in every five years. Accordingly, the Central Government notified in the Official Gazette 4 per cent Consumer Price Index (CPI) inflation as the target for the period from August 5, 2016 to March 31, 2021 with the upper tolerance limit of 6 per cent and the lower tolerance limit of 2 per cent	The Central Government notified the following as factors that constitute failure to achieve the inflation target: (a) the average inflation is more than the upper tolerance level of the inflation target for any three consecutive quarters; or (b) the average inflation is less than the lower tolerance level for any three consecutive quarters.

Source: <https://www.thehindu.com/business/rbi-retains-status-quo-to-spur-growth/article38409379.ece>

**Q.52) With reference to the impact of Green Revolution, which of the following statement(s) is/are INCORRECT**

1. Area under coarse cereals cultivation increased
2. Area under cereal grains cultivation decreased
3. Imports of food grains reduced drastically

**Select the appropriate code**

- a) 1, 2 only
- b) 2 only
- c) 3 only
- d) 1, 2 and 3

**Q.52) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
The area under cultivation of coarse cereals decreased from 37 million hectares to 25 million hectares.	The area under cultivation of rice and wheat(coarse grains) from the time of the Green Revolution till recently increased from 30 million hectares to 44 million hectares and 9 million hectares to 31 million hectares	The introduction of high-yielding varieties (HYV) of seeds and the improved quality of fertilizers and irrigation techniques led to the increase in the production to make the country self-sufficient in food grains, thus improving agriculture in India which led to reduced imports

Source: <https://www.thehindu.com/opinion/op-ed/an-msp-scheme-to-transform-indian-agriculture/article38409594.ece>

**Q.53) 'Kalkazhukichoottu' seen in news recently is a**

- a) Martial art
- b) Temple ritual
- c) Dance form
- d) Traditional paintings

**Q.53) Solution(b)**

Kalkazhukichoottu is a ritual of washing the feet of Brahmins and feeding them. It is said that the ritual is meant to get rid of the sins, committed with or without one's knowledge.

Source: <https://www.thehindu.com/news/national/kerala/protest-against-kalkazhukichoot-ritual-again/article38407943.ece>

**Q.54) Consider the following statements regarding 'Madhwacharya'**

1. He is the chief proponent of Dvaita(Dualism) and called his philosophy 'Tattvavada'
2. He stated the metaphysical reality is singular and Ishvara is the only independent reality
3. Namdev and Madhwa were contemporaries

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.54) Solution(c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
Madhwacharya was a Hindu philosopher and the chief proponent of the Dvaita (dualism) school of Vedanta. Madhva called his philosophy Tattvavāda meaning "arguments from a realist viewpoint"	Madhwacharya stated that metaphysical reality is plural. There are primarily two tattvas or categories of reality — svatantra tattva (independent reality) and asvatantra tattva (dependent reality. Ishvara (as God Vishnu or Krishna) is the cause of the universe and the only independent reality, in Madhvacharya's view.	Namdev and Madhwacharya are contemporaries who lived in the thirteenth century.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1797365>



**Q.55) Consider the following statements**

1. Governor has constitutional and situational discretion whereas President only has situational discretion
2. Governor does not enjoy parliamentary privileges whereas President enjoys parliamentary privileges

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.55) Solution(a)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<p>Governor has constitutional and situational discretion whereas President only has situational discretion. The constitutional discretion of Governor is as follows</p> <ol style="list-style-type: none"> <li>1. When they have to reserve the bill for the consideration of the President of India, Governors can decide on their own without the advice of the Council of Ministers</li> <li>2. When he has to recommend for the President's rule in the state, he can act at his own discretion</li> <li>3. When he is given an additional charge as the administrator of the Union Territory, he can take actions at his own discretion</li> <li>4. When he calls upon the Chief Minister to seek information regarding administrative and legislative affairs</li> </ol>	<p>The parliamentary privileges do not extend to the President who is also an integral part of the Parliament</p>

Source: <https://www.thehindu.com/opinion/op-ed/is-the-institution-of-governor-subverting-federal-structure/article38409784.ece>

**Q.56) With reference to 'One Ocean Summit', consider the following statements**

1. It is being hosted by France in cooperation with United Nations and Global Ocean Commission
2. The objective of this summit is to mobilize the international community to make the oceans plastic free by 2050

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.56) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
One Ocean Summit is being organised by France from 9-11 February, in Brest, France, in cooperation with the United Nations and the World Bank.	The objective of the Summit is to mobilise the international community to take tangible action towards preserving and supporting healthy and sustainable ocean ecosystems.

Source: <https://pib.gov.in/PressReleasePage.aspx?PRID=1797302>

**Q.57) Consider the following factors**

1. Hilly and difficult terrain
2. Strategic location along borders with neighbouring countries
3. Affected by Left wing extremism
4. Economic and infrastructural backwardness
5. Debt of the state crossing a certain threshold

**Which of the above factors necessitate giving a Special Category State status?**

- a) 1, 3 and 5 only
- b) 1, 2 and 4 only

- c) 1, 2, 4 and 5 only
- d) 1, 2, 3, 4, 5

**Q.57) Solution(b)**

Special Category Status for plan assistance was granted in the past by the National Development Council to the States that are characterized by a number of features necessitating special consideration. These features included:

1. hilly and difficult terrain
2. low population density and /or sizeable share of tribal population
3. strategic location along borders with neighbouring countries
4. economic and infrastructural backwardness and
5. non-viable nature of state finances.

Source: <https://www.thehindu.com/news/national/andhra-pradesh/scs-on-ap-ts-dispute-resolution-agenda-goes-missing-later/article38420643.ece>

**Q.58) 'Zero Trust Model' seen in news recently is related to**

- a) Drone monitoring in bordering areas
- b) Anti-piracy operations in the open seas
- c) Cyber security
- d) Tax compliance monitoring

**Q.58) Solution(c)**

Zero trust is a cyber security strategy wherein security policy is applied based on context established through least-privileged access controls and strict user authentication—not assumed trust. A zero trust architecture follows the maxim "never trust, always verify."

Source: <https://www.thehindu.com/opinion/lead/taking-a-byte-out-of-cyber-threats/article38414892.ece>

**Q.59) Consider the following statements regarding 'Charter of Patients' Rights'**

1. This was brought by Ministry of Health and Family welfare after consultations with civil society, Non-Governmental Organizations and private hospitals
2. The implementation of the charter is at the discretion of the states
3. The charter also includes right to dignified death

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 only
- c) 1 and 3 only
- d) 3 only

**Q.59) Solution(b)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
Ministry of Health and Family Welfare (MoHFW) released India's first Patients' Rights Charter (PRC) with the recommendations from National Human Rights Commission (NHRC)	Health is a State subject, thus it is for the respective State/UT Government to adopt, implement and monitor the Charter of Patients' Rights. Further, it is also for the respective State/UT Government to display the Patients' Rights Charter in public and private healthcare facilities as well as on their health department websites, allocate budget for promotion of Patients' Rights Charter, set up grievance redressal mechanism for patients as recommended by NHRC advisory.	The charter contains a list of 17 rights but does not include the right to dignified death

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1797699>

**Q.60) Consider the following**

1. Rise in inflation
2. Crowding out investments
3. Increase in interest rates

Which of the following are likely going to occur as a result of deficit spending by the Union Government?

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.60) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
Deficit spending may create inflation, or encourage existing inflation to persist. For example, in the United States Vietnam-war era deficits encouraged inflation. This is especially true at low unemployment rates.	Government would be using up financial and other resources that would otherwise be used by private enterprise. This leads to crowding out	Governments usually issue bonds to match their deficits. The debt issuance can increase the level of (i) public debt, (ii) private sector net worth, (iii) debt service (interest payments), and (iv) interest rates

Source: <https://www.thehindu.com/business/Economy/explained-why-is-the-centre-annoyed-by-rating-agencies-sceptical-about-indias-plan-for-correcting-its-fiscal-math/article65037692.ece>

**Q.61) Consider the following statements**

1. India is the second largest emitter of methane
2. Rice cultivation is the highest source of greenhouse gas(GHG) emissions in the agriculture sector in India
3. Nitrous oxide and methane have a higher global warming potential than carbon

**Choose the correct statements**

- a) 1 only
- b) 1 and 2 only
- c) 3 only
- d) 2 and 3 only

**Q.61) Solution(c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
Agriculture contributes 73 per cent of the country's methane emissions. India has kept away from the recent EU-US pledge to slash methane emissions by 30 per cent by 2030, despite the country being the world's third largest emitter of methane.	As per the national GHG inventory, the agriculture sector emits 408 MMT of carbon-dioxide equivalent and rice cultivation is the third highest source (17.5 per cent) of GHG emissions in Indian agriculture after enteric fermentation (54.6 per cent) and fertiliser use (19 per cent)	Paddy fields are anthropogenic sources of atmospheric nitrous oxide and methane, which have been reckoned as 273 and 80-83 times more powerful than carbon dioxide in driving temperature increase in 20 years' (Sixth Assessment Report IPCC 2021).

Source: <https://indianexpress.com/article/opinion/columns/for-climate-smart-agriculture-cop26-budget-7771379/>

**Q.62) It was established as a French colony in 1673. It was the first trading post on the eastern bank of the Hooghly, set up by the French in 1696. The city had thriving centres of trade involving opium, indigo, silk, rice, rope, sugar. The city is**

- a) Armegon
- b) Chandernagore
- c) Chinsura
- d) Serampur

**Q.62) Solution(b)**

Chandannagar was established as a French colony in 1673, obtaining permission from Ibrahim Khan, the then Nawbab of Bengal, to establish a trading post on the right bank of the river Hooghly. It became a permanent French settlement in 1688. Chandannagar or Chandernagore was the first trading post on the eastern bank of Hooghly, set up by the French in 1696. The city had thriving centres of trade involving opium, indigo, silk, rice, rope, sugar.

Source: <https://www.thehindu.com/news/cities/kolkata/restoration-offrenchheritage-structureat-chandernagore-will-be-completed-soon-ambassador-lenain/article65045633.ece>

**Q.63) Consider the following statements regarding 'LIDAR'**

1. It uses ultraviolet, visible, or near infrared light to image objects
2. It has a wavelength greater than RADAR which enables higher level of accuracy

3. It can target a wide range of materials, including non-metallic objects, rocks, rain, chemical compounds, aerosols, clouds and even single molecules

**Choose the correct statements**

- a) 1 and 2 only  
 b) 2 and 3 only  
 c) 1 and 3 only  
 d) All the above

**Q.63) Solution(c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
It uses ultraviolet, visible, or near infrared light to image objects	The wavelength of RADAR is between 30 cm and 3 mm, while LiDAR has a micrometer range wavelength (Yellowscan LiDARs work at 903 and 905 nm). So what difference does it make? With its wavelength, the RADAR can detect objects at long distance and through fog or clouds. But its lateral resolution is limited by the size of the antenna. The resolution of standard RADAR is several meters at a distance of 100 meters. LiDAR is a compact solution that enables a high level of accuracy for 3D mapping. At a distance of 100 meters, Yellowscan LiDAR systems have a resolution of a few centimeters.	It can target a wide range of materials, including non-metallic objects, rocks, rain, chemical compounds, aerosols, clouds and even single molecules. A narrow laser beam can map physical features with very high resolutions; for example, an aircraft can map terrain at 30-centimetre (12 in) resolution or better.

Source: <https://www.thehindu.com/opinion/op-ed/the-way-ahead-for-indias-semiconductor-dream/article65045904.ece>

**Q.64) Consider the following statements regarding 'Occupational Health and Safety code'**

1. The code applies to contract labour but not to Government establishments
2. Factory is any establishment which employs more than ten employees

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.64) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
The code shall not apply to the offices of the Central Government, offices of the State Government and any ship of war of any nationality. Provided that the Code shall apply in case of contract labour employed through contractor in the offices of the Central Government or in the offices of the State Government, where, the Central Government or, as the case may be, the State Government is the principal employer.	"factory" means any premises including the precincts thereof— (i) whereon twenty or more workers are working, or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on with the aid of power, or is ordinarily so carried on; or (ii) whereon forty or more workers are working, or were working on any day of the preceding twelve months, and in any part of which a manufacturing process is being carried on without the aid of power, or is ordinarily so carried on

**Source:** <https://www.thehindu.com/opinion/op-ed/a-look-at-occupational-safety-and-health-in-india/article65045757.ece>

**Q.65) Consider the following statements**

1. Central Bureau of Investigation (CBI) ceases all powers to investigate, prosecute and file charges after general consent is withdrawn in a particular state
2. Central Bureau of Investigation (CBI) does not have all India jurisdiction as per the terms of the act by which it was established



**Choose the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.65) Solution(b)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
The withdrawal of consent did not make the CBI defunct in a state — it retained the power to investigate cases that had been registered before consent was withdrawn. Also, a case registered anywhere else in the country, which involved individuals stationed in these states, allowed the CBI's jurisdiction to extend to these states	The National Investigation Agency (NIA), which is governed by The NIA Act, 2008, has jurisdiction across the country. But the CBI is governed by The Delhi Special Police Establishment (DSPE) Act, 1946, and must mandatorily obtain the consent of the state government concerned before beginning to investigate a crime in a state

Source: <https://www.thehindu.com/opinion/op-ed/oped-on-how-we-are-living-in-an-era-of-combative-federalism-or-tensions-between-state-and-centre/article65045789.ece>

**Q.66) Consider the following statements**

1. PSLV is a three-staged launch vehicle with the first stage using solid rocket motors, second stage using liquid rocket engines and the third stage using indigenously developed cryogenic engine
2. PSLV is used to launch satellites useful for earth monitoring whereas GSLV is used to launch satellites for communication
3. PSLVs are used to place satellites in geostationary and geosynchronous orbits only whereas GSLVs can place satellites in sun synchronous orbit too

**Choose the correct statements**

- a) 1, 2 only
- b) 2 only
- c) 2, 3 only

d) 1, 3 only

**Q.66) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
PSLV is a four-staged launch vehicle with the first and third stages using solid rocket motors; and the second and fourth stages using liquid rocket engines.	PSLVs launch the satellites useful for Earth resources monitoring whereas GSLVs are designed mainly to launch communication satellites	PSLVs have been used to launch various satellites into Geosynchronous and Geostationary orbits, like satellites from the IRNSS constellation. It can take up to 1,750 kg of payload to Sun-Synchronous Polar Orbits of 600 km altitude.

Source: <https://www.thehindu.com/news/national/tamil-nadu/isro-successfully-puts-three-satellites-into-orbit-on-board-the-pslv-c-52/article65047972.ece>

**Q.67) Consider the following**

1. Agriculture
2. Forestry
3. Telephony
4. Flood mapping
5. Soil moisture and hydrology

**Which of the following are the applications of earth observation satellites**

- a) 1, 2, 4 only
- b) 1, 3, 5 only
- c) 1, 2, 4, 5 only
- d) 1, 2, 3, 4, 5

**Q.67) Solution(c)**

The EOS-4, an Earth Observation Satellite is designed to provide high quality images in all weather conditions for applications such as agriculture, forestry, plantation, flood mapping, soil moisture and hydrology. Telephony is an application of communication satellite.

Source: <https://www.newindianexpress.com/nation/2022/feb/14/isro-successfully-launches-eos-04-twoco-passenger-satellites-starts-2022-on-a-good-note-2419216.html>

**Q.68) With reference to economics, 'Trickle Down Effect' is**

- a) Higher inflation leads to higher incomes which offsets the price rise
- b) Investment in capital goods will lead to high productivity later which will boost income levels
- c) Reduction of taxes for corporations and the wealthy will trickle down to everyone else
- d) Government expenditure will lead to higher income levels and boost consumption

**Q.68) Solution(c)**

Trickle-down economics, or "trickle-down theory," states that tax breaks and benefits for corporations and the wealthy will trickle down to everyone else. It argues for income and capital gains tax breaks or other financial benefits to large businesses, investors, and entrepreneurs to stimulate economic growth.

Source: <https://indianexpress.com/article/opinion/columns/the-myth-of-the-trickle-down-7774069/>

**Q.69) Consider the following statements regarding 'Medaram Jatra'**

1. Medaram Jatra is the second-largest fair of India celebrated by the the Koya tribe
2. It is also the state festival of Telangana
3. It is the only tribal festival with vedic or brahmanic influence.

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.69) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
Medaram Jatara is the second-largest fair of India, after the Kumbh Mela, celebrated by the second-largest Tribal Community of Telangana- the Koya tribe for four days.	Sammakka Saralamma Jathara or Medaram Jathara is a tribal festival of honouring the goddesses celebrated in the state of Telangana, India The Sammakka Saralamma Jathara is a State Festival of Govt. of Telangana	People offer bangaram/gold (jaggery) of a quantity equal to their weight to the goddesses and take holy bath in Jampanna Vagu (stream). It is a festival with no vedic or brahmanic influence.

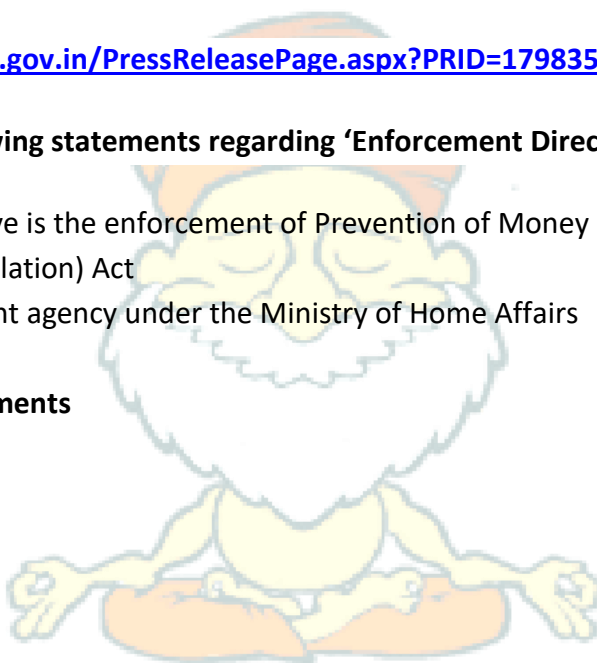
Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1798353>

**Q.70) Consider the following statements regarding 'Enforcement Directorate'**

1. The prime objective is the enforcement of Prevention of Money Laundering Act and Foreign Contribution(Regulation) Act
2. It is an independent agency under the Ministry of Home Affairs

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.70) Solution(d)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The prime objective of the Enforcement Directorate is the enforcement of two key Acts of the Government of India namely, the Foreign Exchange Management Act 1999 (FEMA) and the Prevention of Money Laundering Act 2002 (PMLA)	The Directorate of Enforcement (ED) is a law enforcement agency and economic intelligence agency responsible for enforcing economic laws and fighting economic crime in India.It is part of the Department of Revenue, Ministry of Finance, Government Of India

Source: <https://www.thehindu.com/news/cities/mumbai/ed-conducts-searches-in-mumbai-in-underworld-linked-action/article65051403.ece>

**Q.71) Consider the following statements regarding 'New Frontiers Programme'**

1. It aims to promote technology exchange between major Indian Institutions with foreign universities
2. It comes under the Ministry of External Affairs

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.71) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The programme will organize webinars, discussions, and contemplation meetings on various aspects of Renewable Energy. A brainstorming session will be conducted involving the MNRE, MOP, MOEFCC, Indian Railways, Principal Secretaries from leading renewable energy States, Public Sector Enterprises (BEE, NTPC, SECI, PGCIL, etc.), Industry and other stakeholders (CEA, CERC, SERC, etc.) to understand key issues in respect of achieving the net zero goal and pathways for energy transition.	The Ministry of New & Renewable Energy is conducting a program on Renewable Energy namely "New Frontiers" as part of Azadi ka Amrit Mahotsav celebrations

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1798426>

**Q.72) 'World Sustainable Development Summit' is conducted by**

- a) UNFCCC
- b) The Energy and Research Institute
- c) United Nations Environment Programme
- d) World Economic Programme

**Q.72) Solution(b)**

World Sustainable Development Summit is The Energy and Research Institute (TERI)'s annual flagship event. The theme for this year's Summit is 'Towards a Resilient Planet: Ensuring a Sustainable and Equitable Future'. The Summit will discuss a wide range of issues including climate change, sustainable production, energy transitions, global commons and resource security.

**Source:** <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1798439>

**Q.73) Consider the following statements**

1. When a bill is reserved for consideration of the President, President has to go with the advice of Council of ministers
2. Repugnancy with Central laws is one of the grounds on which state legislation is examined by the Union Ministry
3. "Lynching" was defined and added to the Indian Penal Code(IPC) recently

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.73) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
When a bill is reserved for consideration of the President by the Governor, President has to go with the advice of	A state legislation is examined on three grounds- repugnancy with central laws, deviation from national or central	Lynching is not defined as a crime under Indian Penal Code(IPC)

Council of ministers represented by the Home Ministry	policy, and legal and constitutional validity	
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Source: <https://www.thehindu.com/news/national/anti-mob-lynching-bills-passed-by-4-assemblies-at-various-levels-of-non-implementation/article65052872.ece>

**Q.74) Consider the following statements regarding 'National Statistics Office'**

1. It conducts Periodic Labour Force Survey(PLFS) quarterly for both rural and urban areas
2. Usual Status activity determined in the PLFS survey is on the basis of employment in the preceding three months
3. It comes under the Ministry of Statistics and Programme Implementation

**Choose the correct statements**

- a) 1 only
- b) 1, 2 only
- c) 2, 3 only
- d) 3 only

**Q.74) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
PLFS is conducted in rural households annually and on a quarterly basis for the urban households.	The activity status determined on the basis of the reference period of the last 365 days preceding the date of survey, it is known as the usual activity status of the person	National Statistics Office(NSO) comes under the Ministry of Statistics and Programme Implementation

Source: <https://indianexpress.com/article/opinion/editorials/price-to-pay-inflation-national-statistical-office-cpi-mpc-rbi-7775592/>

**Q.75) Consider the following statements regarding High Efficiency Particulate Air (HEPA) filters**

1. HEPA filters are designed to arrest very fine particles effectively, but they do not filter out gasses and odor molecules
2. Indoor ozone, Volatile Organic Compounds and ultrafine particles are emitted by these filters

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.75) Solution(a)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
HEPA filters are designed to arrest very fine particles effectively, but they do not filter out gasses and odor molecules. Circumstances requiring filtration of volatile organic compounds, chemical vapors, or cigarette, pet or flatulence odors call for the use of an activated carbon (charcoal) or other type of filter instead of or in addition to a HEPA filter	Indoor ozone, Volatile Organic Compounds and ultrafine particles are emitted by non HEPA filters such as electronic air purifiers using ionizers and similar non-HEPA technology.

Source: <https://www.thehindu.com/opinion/op-ed/oped-by-madhukar-pai-and-subramanian-on-the-importance-of-ventilation-and-air-purifiers-to-keep-off-covid/article65052559.ece>

**Q.76) Consider the following statements regarding 'Non-Fungible Tokens'**

1. It is a mutually interchangeable unit of data stored on a blockchain that can be sold and traded
2. Ownership of an NFT does not confer copyright to the buyer inherently
3. Each NFT may represent a different underlying asset and thus may have a different value

**Select the correct statements**



- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.76) Solution(b)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
A non-fungible token (NFT) is a non-interchangeable unit of data stored on a blockchain, a form of digital ledger, that can be sold and traded. Types of NFT data units may be associated with digital files such as photos, videos, and audio. Because each token is uniquely identifiable, NFTs differ from blockchain cryptocurrencies, such as Bitcoin.	Ownership of an NFT does not inherently grant copyright or intellectual property rights to the digital asset a token represents. While someone may sell an NFT representing their work, the buyer will not necessarily receive copyright privileges when ownership of the NFT is changed and so the original owner is allowed to create more NFTs of the same work	Each NFT may represent a different underlying asset and thus may have a different value.

Source: <https://www.thehindu.com/opinion/op-ed/after-the-budgets-crypto-signal-india-awaits-reforms/article65055762.ece>

**Q.77) This incident occurred post the collapse of Gandhi-Irwin pact. A movement to hoist tricolor over Government buildings led to indiscriminate firing by the British police which martyred 34 freedom fighters. It is celebrated as 'Shahid Diwas' in Bihar. The incident is**

- a) Amko Simko massacre
- b) Pal-Chitariya massacre
- c) Tarapur massacre
- d) Mangadh massacre

**Q.77) Solution(c)**

The Tarapur massacre was the biggest carried out by the British police after the one in Jallianwala Bagh in Amritsar in 1919. This incident occurred post the collapse of Gandhi-Irwin pact. A movement to hoist tricolor over Government buildings led to indiscriminate firing by the British police which martyred 34 freedom fighters. It is celebrated as 'Shahid Diwas' in Bihar.

Source: <https://indianexpress.com/article/explained/sacrifice-34-freedom-fighters-tarapur-bihar-shahid-diwas-777147/>

**Q.78) Consider the following statements**

1. Atmospheric pressure on Pluto has increased three times its original pressure in the last three decades
2. Atmospheric pressure on surface of Pluto is more than 80,000 times than Earth

**Select the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.78) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
A compilation of twelve stellar occultations by Pluto observed between 1988 and 2016 showed a three-fold monotonic increase of atmospheric pressure during this period.	An international team of scientists, including members from Aryabhata Research Institute of Observational Sciences (ARIES), used signal-to-noise ratio light curves obtained from the sophisticated instruments used in the observations to derive an accurate value of Pluto's atmospheric pressure at its surface. It was found to be 12.23 $\mu$ bar -- 80,000 times less than the atmospheric pressure at mean sea level on Earth

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1798796>

**Q.79) Consider the following statements regarding 'The International Renewable Energy Agency (IRENA)'**

1. It is an intergovernmental organization to promote the adoption and sustainable use of renewable energy
2. The statute to gain IRENA membership requires that a state be a member of the United Nations
3. IRENA is an official United Nations observer

**Select the correct statements**

- a) 1, 2 only
- b) 2 only
- c) 2, 3 only
- d) 1, 2 and 3

**Q.79) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
The International Renewable Energy Agency (IRENA) is an intergovernmental organization mandated to facilitate cooperation, advance knowledge, and promote the adoption and sustainable use of renewable energy	The statute to gain IRENA membership requires that a state be a member of the United Nations and to regional intergovernmental economic-integration organizations	IRENA is an official United Nations observer.

**Source:** <https://www.thehindu.com/news/national/despite-solar-push-india-lacks-waste-management-policy/article65056085.ece>

**Q.80) Consider the following statements**

1. Forty-fourth amendment to the Constitution provides for the establishment of tribunals
2. Tribunals under Article 323-A can be established by Parliament only

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.80) Solution(b)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
Tribunals were not part of the original constitution, it was incorporated in the Indian Constitution by 42nd Amendment Act, 1976. Article 323-A deals with Administrative Tribunals. Article 323-B deals with tribunals for other matters.	Article 323-A of the constitution provides for the establishment of administrative tribunals by a parliament law for the adjudication or trial of disputes and complaints relating to the recruitment and conditions of service of government servants under the central government and the state government including the employee of any local or other authority within the territory of India or under the control of the government of India or of a corporation owned or controlled by the government.

Source: <https://www.thehindu.com/news/national/tribunal-appointments-being-taken-lightly-supreme-court/article65056595.ece>

**Q.81) Consider the following statements regarding 'India based Neutrino Observatory'**

1. The main experiment proposed at INO is the Iron-Calorimeter Detector which aims to probe the Earth matter effects on the propagation of atmospheric neutrinos
2. The magnetized iron calorimeter (ICAL) experimental of the INO is expected to include the world's largest magnet.
3. It is a multi-institute collaboration jointly headed by Department of Atomic Energy, India and CERN, France

**Select the correct statements**

- a) 1 only
- b) 1, 2 only

- c) 1, 3 only
- d) 2, 3 only

**Q.81) Solution(b)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
The main experiment proposed at INO is the Iron-Calorimeter Detector which aims to probe the Earth matter effects on the propagation of atmospheric neutrinos and to determine neutrino oscillation parameters in the 2-3 oscillation sector.	On completion, the main 51000 ton magnetized iron calorimeter (ICAL) experimental of the INO is expected to include the world's largest magnet. This magnet will be four times larger than the 12,500-tonne magnet currently in the Compact Muon Solenoid detector at CERN in Geneva, Switzerland	It is a multi-institute collaboration but not jointly headed by Department of Atomic Energy, India and CERN, France

Source: <https://www.thehindu.com/news/national/tn-says-no-in-supreme-court-to-neutrino-observatory-project/article65059219.ece>

**Q.82) Consider the following**

1. Product quotas
2. Phyto-sanitary conditions
3. Import deposits
4. Foreign exchange restrictions
5. Local content requirements.

**Which of the following are Non-Tariff Barriers to trade**

- a) 1, 2 and 5 only
- b) 1, 2 and 4 only
- c) 2, 4 and 5 only
- d) All the above

**Q.82) Solution(d)**

Common examples of non-tariff barriers include licenses, quotas, embargoes, Phyto-sanitary conditions, foreign exchange restrictions, and import deposits in addition to local content requirements.

Source: <https://www.thehindu.com/news/national/pm-modi-crown-prince-of-abu-dhabi-to-sign-india-uae-trade-pact/article65060226.ece>

**Q.83) ' Hamas' seen in news recently is a**

- a) Trilateral Security pact
- b) Militant organization
- c) Tribe found in Middle-East
- d) Disputed territory

**Q.83) Solution(b)**

Hamas is a Palestinian Sunni-Islamic fundamentalist, militant, and nationalist organization.

Source: <https://www.thehindu.com/news/international/australia-to-list-hamas-and-us-far-right-group-as-terrorists/article65058377.ece>

**Q.84) Consider the following statements**

1. Japanese Encephalitis Virus (JEV) is the leading cause of mosquito-borne encephalitis in South-East Asia and there is no cure available for JEV
2. Antibody detection in the case of detecting JEV is immediate but is often misdiagnosed as Dengue
3. NS1 is a protein which acts as a biomarker to identify JEV

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) 3 only

**Q.84) Solution(c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
Japanese Encephalitis Virus (JEV) is the leading cause of mosquito-borne encephalitis in South-East Asia and Western Pacific. Since there is no cure available for JEV, early detection is essential to mitigate a breakout.	Japanese Encephalitis Virus (JEV) is often misdiagnosed as Dengue but on the other hand, antibodies appear only after Day 4/5 of the infection . Detection of the NS1 instead of antibody has an added advantage since the antigen is present from day 1 of the infection and hence facilitates early detection	Non-Structural 1 (NS1) secretory protein, which is suitable biomarker for JEV found circulating in the blood and has been reported to elicit an immune response

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1799063>

**Q.85) With reference to 'National Hydrogen Mission', consider the following statements**

1. Green hydrogen/green ammonia shall be defined as hydrogen /ammonia produced by way of electrolysis of water using renewable energy including biomass
2. The Mission aims in meeting the target of production of 10 million tonnes of Green hydrogen by 2030

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.85) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
Green hydrogen/green ammonia shall be defined as hydrogen /ammonia produced by way of electrolysis of water using renewable energy; including renewable energy which has	The Mission aims to aid the government in meeting its climate targets and making India a green hydrogen hub. This will help in meeting the target of production of 5 million tonnes of

been banked and the hydrogen/ammonia produced from biomass

Green hydrogen by 2030 and the related development of renewable energy capacity.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1799067>

**Q.86) Consider the following statements regarding 'India- UAE Free Trade agreement'**

1. It is the first free trade deal signed by India with a Middle-eastern country
2. It will give zero duty access to all Indian exports to UAE
3. The agreement will covers goods, services, rules of origin including intellectual property rights

**Choose the correct statements**

- a) 1 only
- b) 1, 2 only
- c) 2, 3 only
- d) 1, 3 only

**Q.86) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
It is the first free trade agreement signed by India with a Middle-Eastern country	India and the United Arab Emirates (UAE) on Friday signed a Free Trade Agreement (FTA), which is set to reduce tariffs for 80 per cent of goods and give zero duty access to 90 per cent of India's exports to the UAE.	The agreement covers areas including goods, services, rules of origin, Customs procedures, government procurement, intellectual property rights, and e-commerce

Source: <https://indianexpress.com/article/business/india-uae-sign-trade-pact-agreement-7780209/>



**Q.87) 'Principle of non-refoulement' seen in the news recently is used in the context of**

- a) Demarcation of international borders
- b) Human rights
- c) Fair treatment of foreign goods
- d) Justice delivery

**Q.87) Solution(b)**

Under international human rights law, the principle of non-refoulement guarantees that no one should be re- turned to a country where they would face torture, cruel, inhuman or degrading treatment or punishment and other irreparable harm.

Source: <https://www.thehindu.com/opinion/lead/india-needs-a-refugee-and-asylum-law/article65063388.ece>

**Q.88) Consider the following**

- 1. Moth
- 2. Butterfly
- 3. Wind
- 4. Bats
- 5. Rain

**Which of the following are associated with pollination?**

- a) 2, 4 only
- b) 1, 2 and 4 only
- c) 1, 2, 3 and 4 only
- d) All the above



**Q.88) Solution(d)**

Pollination may be biotic or abiotic. Abiotic pollination uses nonliving methods such as wind and water to move pollen from one flower to another. Biotic pollination involves birds, bats, butterflies, moths, flies, beetles, wasps, small mammals, and most importantly, bees are *pollinators*.

Source: <https://www.thehindu.com/news/cities/kolkata/moths-vital-to-pollination-in-the-himalayan-ecosystem-finds-study/article65065332.ece>

**Q.89) Consider the following statements**

1. Governor does not have discretionary powers with regards to summoning a session and has to act on the advice of the Council of Ministers under normal circumstances
2. The Governor may summon a session on the recommendation of the Chief Minister or the Cabinet

**Choose the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.89) Solution(a)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
The Supreme Court held that the Governor's power "under Article 174 to summon, prorogue and dissolve the house(s) must be exercised in consonance with the aid and advice of the chief minister and his council of ministers. In the above situation, he is precluded [from taking] an individual call on the issue at his own will, or in his own discretion". The "discretion given to the Governor in respect of his relations with the Legislative Assembly is not only limited and circumscribed by the Constitution but also by the Rules framed by the Legislative Assembly under Article 208 of the Constitution	Constitution permits the Governor to summon the House on recommendation of the Cabinet. Governor summons assembly on the recommendation made by the Cabinet after due compliance of Rules of Business under article 166(3) of constitution

**Source:** <https://www.thehindu.com/news/national/other-states/wb-governor-returns-cms-recommendation-to-summon-state-assembly/article65065653.ece>

**Q.90) Consider the following statements**

1. Dark matter slows down the expansion of the universe, while dark energy speeds it up
2. Massive objects like stars or black holes can bend light significantly producing multiple images which is called strong lensing
3. Gravitational waves can be used to detect the presence of primordial black holes

**Select the correct statements**

- a) 1 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.90) Solution(c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
Dark matter works like an attractive force — a kind of cosmic cement that holds our universe together. This is because dark matter does interact with gravity, but it doesn't reflect, absorb, or emit light. Meanwhile, dark energy is a repulsive force — a sort of anti-gravity — that drives the universe's ever-accelerating expansion. In short, dark matter slows down the expansion of the universe, while dark energy speeds it up.	When light travels through space and passes near a massive or compact body — a star, a galaxy or a black hole, for example, the intense gravity of that body may attract the light towards it, bending it from its rectilinear (straight line) path. This phenomenon is known as gravitational lensing and was first observed by Arthur Eddington in 1919. Massive objects like galaxies can bend light significantly, producing multiple images, this is called strong lensing. Lighter objects like stars or black holes bend light less, and this is called microlensing	Lensing can happen to gravitational waves travelling towards the Earth, and this would leave signatures in the detected gravitational waves. This can be used to detect the presence, or the existence, of primordial black holes.

Source: <https://www.thehindu.com/sci-tech/can-dark-matter-be-composed-even-partly-of-black-holes/article65064942.ece>

**Q.91) Consider the following statements regarding 'Securities and Exchange Board of India'**

1. It was established as a statutory body in 1988 to regulate the securities market
2. SEBI exercises its powers through Depositories Act, The Finance Act and Securities Laws Act

**Select the correct statements**

- a) 1 Only
- b) 2 Only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.91) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
<p>The Securities and Exchange Board of India was constituted as a non-statutory body on April 12, 1988 through a resolution of the Government of India.</p> <p>The Securities and Exchange Board of India was established as a statutory body in the year 1992 and the provisions of the Securities and Exchange Board of India Act, 1992 (15 of 1992) came into force on January 30, 1992.</p>	<p>SEBI exercises its powers through Depositories Act, The Finance Act and Securities Laws Act in addition to Securities and Exchange Board of India Act and Securities Contracts Regulation Act.</p>

Source: <https://www.thehindu.com/opinion/editorial/remiss-regulator-the-hindu-editorial-on-the-nse-fiasco-and-protecting-small-investors/article65068711.ece>

**Q.92) Which of the followings are the reasons for the occurrence of bacterial anti-microbial resistance?**

1. Poor hygiene and sanitation
2. Antimicrobial use in poultry and farming industry
3. Newer antibiotics
4. Poor infection control practices in hospitals
5. Availability of antibiotics over the counter

**Select the correct answer using the code given below.**

- a) 2 and 5 only
- b) 1, 2 and 5 only
- c) 1, 2, 4 and 5 only
- d) All the above

**Q.92) Solution(c)**

Bacterial AMR occurs when the drugs used to treat infections become less effective, as a result of the pathogens becoming resistant to the drugs. This happens due to indiscriminate use of antibiotics, availability of antibiotics over the counter, poor hygiene and sanitation, antimicrobial use in the farming and poultry industry, lack of vaccines and newer antibiotics, and poor infection control practices in hospitals.

**Source:** <https://www.thehindu.com/opinion/editorial/no-slacking-the-hindu-editorial-on-action-plans-against-antimicrobial-resistance/article65068311.ece>

**Q.93) 'Athenpot Thinba' seen in news recently is**

- a) Wall Paintings
- b) Form of agriculture
- c) Gift presentation tradition
- d) Martial art

**Q.93) Solution(c)**

Firal Chingkhap is a flag hoisting ceremony practiced in Manipur. It is a solemn segment of athenpot thinba, a gift presentation tradition that began centuries ago. This required the primarily agrarian people of Imphal Valley and the surrounding hills to gift a fair share of their farm produce to the kings as a token of respect.

Source: <https://www.thehindu.com/news/national/other-states/manipur-candidates-bank-on-royal-era-flag-ritual/article65068449.ece>

**Q.94) Consider the following statements regarding 'Synthetic Biology'**

1. It is field of Biology that deals with the design and construction of new biological parts, devices, and systems
2. As part of the 12th Five-Year Plan, India has set up a task force on systems biology and synthetic biology research
3. Government has established a 'synthetic biology research fund' with a corpus of 4000 crores recently

**Choose the correct statements**

- a) 1 only
- b) 1, 2 only
- c) 1, 3 only
- d) 1, 2 and 3

**Q.94) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
Synthetic biology is the design and construction of new biological parts, devices, and systems, and the re-design of existing, natural biological systems for useful purposes.	As part of the 12th Five-Year Plan, India had set up a task force on systems biology and synthetic biology research in 2011. This body underlined the potential benefits from synthetic biotechnology in biofuels, bioremediation, biosensors, food and health	Government is working on a policy on synthetic biology but has not established any fund as yet

Source: <https://www.thehindu.com/news/national/centre-moots-policy-on-synthetic-biology/article65068405.ece>

**Q.95) Consider the following statements regarding 'International Mother Language Day'**

1. The idea to celebrate International Mother Language Day was the initiative of Bangladesh
2. The theme of International Mother Language Day in 2022 is "fostering multilingualism for inclusion in education and society"
3. 20% of the estimated 6000 languages spoken in the world are endangered according to UNESCO

**Select the correct statements**

- a) 1 only
- b) 1 and 2 only
- c) 2 and 3 only
- d) 2 only

**Q.95) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Incorrect</b>
The idea to celebrate International Mother Language Day was the initiative of Bangladesh. In Bangladesh, 21 February is the anniversary of the day when the people of Bangladesh (then East Pakistan) fought for recognition for the Bangla language	The theme of the 2022 International Mother Language Day is 'Using technology for multilingual learning: Challenges and opportunities'.	43% of the estimated 6000 languages spoken in the world are endangered according to UNESCO

Source: <https://www.thehindu.com/opinion/lead/tapping-technology-for-multilingual-learning/article65068443.ece>

**Q.96) Consider the following statements regarding 'The United Nations Convention on the Law of the Sea (UNCLOS)'**

1. It is the only international convention which stipulates a framework for state jurisdiction in maritime spaces

2. The law divides the marine areas into three zones namely – Territorial sea, Contiguous zone and Exclusive Economic Zone
3. International Seabed Authority and International Maritime Organization were established under this convention

**Select the correct statements**

- a) 1 only
- b) 1, 2 only
- c) 2, 3 only
- d) 3 only

**Q.96) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Incorrect</b>
It is the only international convention which stipulates a framework for state jurisdiction in maritime spaces. It provides a different legal status to different maritime zones.	It divides marine areas into five main zones namely- Internal Waters, Territorial Sea, Contiguous Zone, Exclusive Economic Zone (EEZ) and the High Seas	The Convention has created three new institutions on the international scene : – <ol style="list-style-type: none"> <li>1. The International Tribunal for the Law of the Sea</li> <li>2. The International Seabed Authority</li> <li>3. The Commission on the Limits of the Continental Shelf.</li> </ol>

Source: <https://www.thehindu.com/opinion/op-ed/use-international-law-call-out-chinas-violations/article65071384.ece>

**Q.97) 'Snapback mechanism' seen in news recently is used in the context of**

- a) NATO affairs
- b) Iran nuclear deal
- c) ASEAN free trade deal
- d) Border crisis management



**Q.97) Solution(b)**

Snapback mechanism is a clause in the Joint Comprehensive Plan of Action(JCPOA) /Iran nuclear deal , that would allow the signatories to reimpose, or "snapback," all sanctions if Iran failed to comply with the agreement.

Source: <https://www.thehindu.com/news/international/iran-mps-put-forth-conditions-for-reviving-nuclear-deal/article65068689.ece>

**Q.98) Consider the following statements regarding 'Presidential fleet review'**

1. It takes place once during the term of every President
2. There is no bar on participation of foreign ships in the fleet review
3. It takes place every five years

**Select the correct statements**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.98) Solution(a)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
President's Fleet Review is the President taking stock of the Navy's capability. It showcases all types of ships and capabilities the Navy has. It takes place once under every President, who is the supreme commander of the armed forces.	The reviews in 2001 and 2016 were International Fleet Reviews, in which some vessels from other countries also participated. The Indian Navy too has participated in international fleet reviews in other countries, including Australia, America, Malaysia, Indonesia, South Korea, and the UK	There have been 11 President's Fleet Reviews since Independence. The first was conducted in 1953, under Dr Rajendra Prasad. The next one was done not by the President but by the then Defence Minister, Y B Chavan, in 1964. Since then, it has been the President reviewing the fleet. The longest gap between reviews was of 12

		years — between 1989 (President R Venkatraman) and when 2001 (President K R Narayanan). The last one was done in 2016, under President Pranab Mukherjee
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Source: <https://indianexpress.com/article/explained/presidential-fleet-review-what-navy-displays-significance-7782867/>

**Q.99) With reference to 'Open Acreage Licensing Policy', consider the following statements**

1. This policy comes under New Exploration Licensing Policy (NELP)
2. This mechanism allows the investors to carve out blocks of their choice by assessing E&P data available at NDR

**Choose the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.99) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
This policy comes under Hydrogen Exploration Licensing Policy (HELP)	Under HELP, Open Acreage Licensing (OALP) mechanism has been launched which allows the investors to carve out blocks of their choice by assessing E&P data available at NDR & by submitting an Expression of Interest (Eoi).

Source: <https://www.thehindu.com/business/cairn-vedanta-makes-oil-discovery-in-rajasthan-block/article65071970.ece>

**Q.100) Consider the following statements**

1. A subunit vaccine is a vaccine that contains only the antigenic parts such as proteins, polysaccharides or peptides
2. These vaccines have reduced immunogenicity compared to attenuated vaccines
3. These vaccines are not temperature sensitive

**Choose the correct statements**

- a) 1 Only
- b) 1 and 2 only
- c) 2 and 3 only
- d) All the above

**Q.100) Solution(d)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
A subunit vaccine is a vaccine that contains purified parts of the pathogen that are antigenic, or necessary to elicit a protective immune response. A "subunit" vaccine doesn't contain the whole pathogen, unlike live attenuated or inactivated vaccine, but contains only the antigenic parts such as proteins, polysaccharides or peptides	The disadvantage of this vaccine is reduced immunogenicity compared to attenuated vaccines	The advantage of this vaccine is that it can withstand changes in conditions (e.g. temperature, light exposure, humidity)

Source: <https://www.thehindu.com/news/national/covid-19-vaccine-corbevax-gets-eua-for-the-12-to-18-years-age-group/article65071684.ece>

**Q.101) Consider the following statements regarding 'Lokpal'**

1. It is a constitutional body established by the 98<sup>th</sup> amendment
2. It consists of a maximum of eight members including the chairperson, half of whom are judicial members
3. It found mention in first Administrative Reforms Commission (ARC) back in 1966

**Select the correct statements**

- a) 1 only
- b) 1, 2 only
- c) 2, 3 only
- d) 3 only

**Q.101) Solution(d)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
It is a statutory body established by Lokpal and Lokayuktas Act, 2013 was passed by Indian Parliament paving the way for establishment of a Lokpal (Ombudsman) to fight corruption in public offices and ensure accountability on the part of public officials, including the Prime Minister	Lokpal will consist of a chairperson and a maximum of eight members of which 50% will be judicial members 50% members of Lokpal shall be from SC/ST/OBCs, minorities and women	The first Administrative Reforms Commission (ARC) recommended the enacting of the Office of a Lokpal in 1966

Source: <https://www.thehindu.com/opinion/lead/untangling-keralas-lokayukta-controversy/article65074372.ece>

**Q.102) Consider the following statements**

1. All the series of consumer price index (CPI) are released by National Statistic Organization
2. The dearness allowance of Central Government employees are linked to CPI-Industrial Workers

3. The wage rate for MGNREGA scheme is determined based on the CPI- rural index

**Select the correct statements**

- a) 1 and 2 only
- b) 2 only
- c) 2 and 3 only
- d) 3 only

**Q.102) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
The National Statistical Office(NSO) periodically releases the All India CPI and corresponding Consumer Food Price Index(CFPI) for Rural, Urban and Combined. While Labour Bureau releases CPI for industrial workers(IW), for agricultural labourers(AL) and for urban non-manual employees(UNME).	CPI(Industrial Workers) is used to calculate the dearness allowance of central government employees	CPI-AL determines MGNREGA wage revisions and there is a proposal to link it to CPI- Rural

**Source:** <https://www.thehindu.com/opinion/op-ed/a-new-measure-of-inflation-is-brewing-on-the-horizon/article65074466.ece>

**Q.103) 'Luhansk' a place seen in news recently borders**

- a) Sea of Azov
- b) Belarus
- c) Russia
- d) Black sea

**Q.103) Solution(c)**

Luhansk, also known as Lugansk, and formerly known as Voroshilovgrad, is a city in eastern Ukraine, near the border with Russia in the disputed Donbas region. Luhansk is currently the capital and administrative center of the Luhansk People's Republic, a breakaway state, established in 2014 by pro-Russian separatists



Source: <https://www.thehindu.com/news/international/what-does-the-russian-recognition-mean-for-the-crisis/article65073978.ece>

**Q.104) With reference to prepaid payment instruments, consider the following statements**

1. Prepaid payment instruments is regulated by the Reserve Bank of India under Payment and Settlement Act of 2007
2. Scheduled commercial banks alone are allowed to issue prepaid instruments

**Select the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.104) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
RBI exercises its power under Payment and Settlement Act of 2007 to regulate prepaid payment instruments	Bank and non-bank entities are allowed to issue prepaid payment instruments after meeting the eligibility criteria

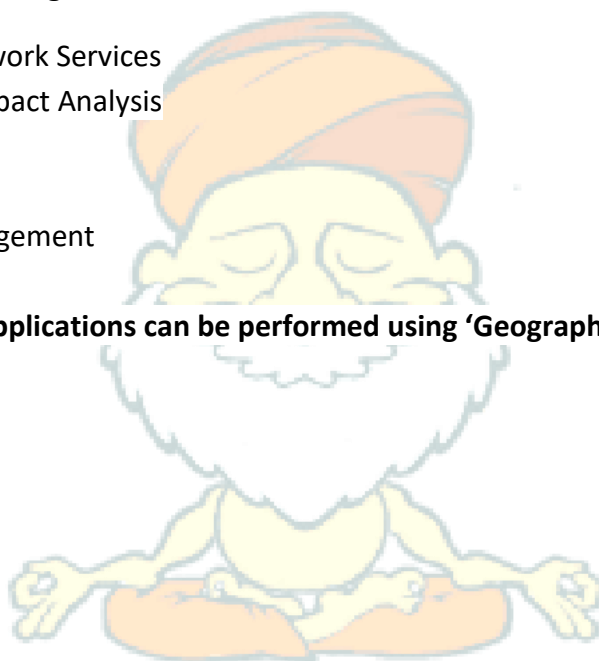
Source: <https://www.thehindu.com/business/rbi-cautions-public-against-prepaid-payment-instruments-issued-by-unauthorised-entities/article65074577.ece>

**Q.105) Consider the following**

1. Telecom and Network Services
2. Environmental Impact Analysis
3. Taxation
4. Pest control
5. Biodiversity management

Which of the following applications can be performed using 'Geographic Information System(GIS)'

- a) 1, 2 and 5 only
- b) 2, 4 and 5 only
- c) 1, 2 and 4 only
- d) All the above

**Q.105) Solution(d)**

All the applications mentioned above can be performed using Geographic Information System(GIS).

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1800373>

**Q.106) Consider the following statements regarding 'Cyber-Physical Systems'**

1. Cyber Physical Systems (CPS) are a new class of engineered systems that integrate computation and physical processes in a static environment
2. National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) has been launched by the central government to harness this technology and comes under the Ministry of Science and Technology

3. All Institutes of National Importance (INI) are eligible to become a technology innovation hub under NM- ICPS

**Select the correct statements**

- a) 1 and 2 only
- b) 2 only
- c) 1 and 3 only
- d) 2 and 3 only

**Q.106) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
Cyber Physical Systems (CPS) are a new class of engineered systems that integrate computation and physical processes in a dynamic environment. CPS encompasses technology areas of Cybernetics, Mechatronics, Design and Embedded systems, Internet of Things (IoT), Big Data, Artificial Intelligence (AI) and many more	NM- ICPS comes under the Ministry of Science and Technology and will be implemented by the Department of Science and Technology	Academic Institutions within NIRF overall rank 50(latest) are only eligible to apply. Research Institutions that are operating in R&D, technology development, commercialization, etc in engineering and technology areas for atleast 10 years and have expertise in CPS foundational technologies are eligible

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1800518>

**Q.107) Consider the following**

- 1. Carbon dioxide
- 2. Methane
- 3. Organic compounds
- 4. Nitrous oxide

**Which of the above are released into the atmosphere due to the combustion of lignite?**



- a) 1 and 2 only
- b) 1, 2 and 4 only
- c) 1 and 4 only
- d) 1, 2, 3 and 4

**Q.107) Solution(d)**

Carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O) emissions are all produced during lignite combustion. Nearly all of the fuel carbon (99 percent) in lignite is converted to CO<sub>2</sub> during the combustion process. Trace amounts of organic compounds are emitted during lignite combustion.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1800579>

**Q.108) 'Kuki' a tribe seen in news recently is native to**

- a) Mizoram
- b) Ladakh
- c) Arunachal Pradesh
- d) Sikkim

**Q.108) Solution(a)**

The Kuki people are an ethnic group native to the Mizo Hills, a mountainous region in the southeastern part of Mizoram in India. The Kuki constitute one of several hill tribes within India, Bangladesh, and Myanmar.

Source: <https://www.thehindu.com/elections/manipur-assembly/will-resolve-kuki-militancy-problem-in-manipur-in-5-years-amit-shah/article65077899.ece>

**Q.109) Consider the following statements**

1. INS Vikrant (2013) is the first aircraft carrier to be built in India
2. India will become one of the seven countries in the world to operate an aircraft carrier after the commissioning of INS Vikrant
3. INS Vikrant uses a STOBAR design to operate aircrafts from its deck

**Choose the correct statements**

- a) 1 and 2 only
- b) 2 only
- c) 1 and 3 only
- d) 3 only

**Q.109) Solution(c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
INS Vikrant, also known as Indigenous Aircraft Carrier 1 (IAC-1), is an aircraft carrier constructed by the Cochin Shipyard Limited (CSL) for the Indian Navy. It is the first aircraft carrier to be built in India	India already has an aircraft carrier in use – INS Vikramaditya. Ten countries currently operate aircraft carriers.	INS Vikrant will employ a STOBAR (Short Take-Off But Arrested Recovery) with a pronounced jump to launch aircraft

Source: <https://indianexpress.com/article/opinion/columns/is-the-time-right-for-india-to-get-a-third-aircraft-carrier-7788050/>

**Q.110) Consider the following statements regarding 'Official Secrets Act (1923)'**

1. The act defines 'official secrets' and lays down the procedure for prosecution
2. Right to Information Act (RTI) may supersede official secrets act in some circumstances

**Select the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.110) Solution(b)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>

Official Secrets Act by itself does not say what a “secret” document is. It is the government’s discretion to decide what falls under the ambit of a “secret” document to be charged under OSA.

Section 22 of the RTI Act provides for its primacy vis-a-vis provisions of other laws, including OSA. So if there is any inconsistency in OSA with regard to furnishing of information, it will be superseded by the RTI Act. However, under Sections 8 and 9 of the RTI Act, the government can refuse information

Source: <https://www.thehindu.com/news/national/hq-of-bank-note-manufacturer-declared-prohibited-place/article65076982.ece>

**Q.111) Consider the following statements regarding ‘Multinational Naval Exercise - MILAN 2022’**

1. Exercise MILAN is a naval exercise involving the United States, Japan and India as permanent partners
2. It is a biennial exercise which were not held only on three occasions since its inception
3. The exercise was conceived in consonance with India’s ‘Look East Policy’ originally

**Select the correct statements**

- a) 1 and 2 only
- b) 3 only
- c) 2 and 3 only
- d) 1 and 3

**Q.111) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
MILAN is a biennial multilateral naval exercise incepted by Indian Navy in 1995 at Andaman and Nicobar Command. Whereas, Exercise Malabar is a naval exercise involving the United States, Japan and India as permanent	Since its inception, the event has been held biennially except for 2001, 2005, 2016 and 2020. While the 2001 and 2016 editions were not held due to International Fleet Reviews, the 2005 editions was rescheduled to 2006 due	Originally conceived in consonance with India’s ‘Look East Policy’, MILAN expanded in ensuing years with the GOI’s ‘Act East policy’ and Security And Growth for All in the Region (SAGAR) initiative, to include participation from

partners	to the 2004 Tsunami. 2020 edition of MILAN was postponed to 2022 due to COVID-19. It has not been held on four occasions	island nations in the Western IOR as also IOR littorals
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Source: <https://www.thehindu.com/news/cities/Visakhapatnam/milan-2022-to-commence-from-february-25-in-visakhapatnam/article65077700.ece>

**Q.112) With reference to 'Dry root rot disease', consider the following statements**

1. It is a bacterial disease which causes dull green leaf colour and twig dieback in trees
2. The disease causing pathogen thrives well in high-temperature drought conditions and low soil moisture
3. Currently, the central and southern states of India have been identified as the prime hotspots for DRR

**Select the correct statements**

- a) 1 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) None of the above



**Q.112) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
Dry root rot disease causes reduced vigour, dull green leaf colour, poor new growth, and twig dieback. If extensive root damage occurs, the leaves suddenly wilt and dry on the tree. <i>Macrophomina phaseolina</i> is a generalist soil-borne fungus present all over the world. It cause diseases such as stem and root rot.	High temperatures ranging between 30 to 35 degrees, drought conditions, and less than 60% soil moisture content are favorable conditions for dry root rot (DRR).	Currently, the central and southern states of India have been identified as the prime chickpea DRR hotspots with an overall 5 – 35% disease incidence.

Source: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1800763>

**Q.113) 'Bvp47' seen in news recently is a**

- a) Genetically engineered crop
- b) COVID vaccine
- c) Hacking tool
- d) Long range missile

**Q.113) Solution(c)**

Researchers from The China's Pangu Lab have disclosed details of a Linux top-tier APT backdoor, tracked as Bvp47, which is associated with the U.S. National Security Agency (NSA) Equation Group. The name "Bvp47" comes from numerous references to the string "Bvp" and the numerical value "0x47" used in the encryption algorithm.

Source: <https://www.thehindu.com/news/international/us-group-hacked-top-research-institutes-in-india-russia-and-china-says-beijing-cyber-firm/article65079559.ece>

**Q.114) Consider the following statements**

1. India is the second largest exporter of wheat in the world
2. Wheat exports from India form around 36 per cent of the international exports

**Choose the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.114) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
India accounts for even less than one per cent in world wheat export. However, its share has increased from 0.14 per cent in 2016 to 0.54 per cent in 2020.	Russia is the world's largest exporter of wheat, accounting for more than 18% of international exports.

Source: <https://www.thehindu.com/business/Economy/russia-ukraine-crisis-may-give-india-opportunity-to-export-more-wheat/article65081089.ece>

**Q.115) Consider the following statements regarding 'Indian National Army'**

1. The idea of INA was originally conceived by Rash Behari Bose
2. INA led by Subhash Chandra Bose hoisted tricolor in Moirang during World War-2

**Select the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.115) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The idea of having an Indian National Army(INA) was originally conceived by Mohan Singh. Mohan Singh was Indian officer of the British Indian Army. It was an armed force formed by Indian nationalists in 1942 in Southeast Asia during World War II. It was again strengthened under the leadership of Subash Chandra Bose	During World War II, Moirang was the headquarters of Indian National Army (INA). Colonel Shaukat Malik of the Indian National Army hoisted the Tricolour for the first time on Indian soil on 14 April 1944, in Moirang with the help of Manipuris like Shri Mairembam Koireng Singh and others who were members of the INA.

Source: <https://www.thehindu.com/elections/manipur-assembly/netaji-fires-poll-zeal-in-this-manipur-constituency/article65081405.ece>

**Q.116) Consider the following statements regarding 'Quantum Key Distribution'**

1. It enables two parties to produce a shared random secret key known only to them, which can then be used to encrypt and decrypt messages
2. The security of encryption that uses quantum key distribution relies on the foundations of public key cryptography
3. Quantum key distribution is only used to produce and distribute a key and not to transmit any message data

**Select the correct statements**

- a) 1 only
- b) 1, 2 only
- c) 2, 3 only
- d) 1, 3 only

**Q.116) Solution(d)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
Quantum key distribution (QKD) is a secure communication method which implements a cryptographic protocol involving components of quantum mechanics. It enables two parties to produce a shared random secret key known only to them, which can then be used to encrypt and decrypt messages	The security of encryption that uses quantum key distribution relies on the foundations of quantum mechanics, in contrast to traditional public key cryptography, which relies on the computational difficulty of certain mathematical functions, and cannot provide any mathematical proof as to the actual complexity of reversing the one-way functions used.	The security of encryption that uses quantum key distribution relies on the foundations of quantum mechanics, in contrast to traditional public key cryptography, which relies on the computational difficulty of certain mathematical functions, and cannot provide any mathematical proof as to the actual complexity of reversing the one-way functions used.

Source: <https://indianexpress.com/article/explained/explained-what-is-quantum-tech-demo-by-drdo-and-iit-delhi-all-about-7789057/>

**Q.117) 'Operation Ganga' seen in news is related to**

- a) Chemical free farming
- b) Dolphin conservation
- c) Evacuation of Indian citizens
- d) Inter linking of rivers

**Q.117) Solution(c)**

Operation Ganga is an operation undertaken by the Indian Government to bring back citizens from war struck Ukraine.

Source: <https://www.thehindu.com/news/national/indians-evacuated-from-ukraine-via-romania-and-hungary/article65088207.ece>

**Q.118) Consider the following statements regarding 'United Nations Security Council veto power'**

1. It is the power of all the members of the UN Security Council to veto any "substantive" resolution
2. Decisions of the Security Council on procedural matters shall be made by an affirmative vote of nine members
3. Till date, China has exercised the most number of vetoes

**Choose the correct statements**

- a) 1 only
- b) 2 only
- c) 2 and 3 only
- d) 1, 2 and 3

**Q.118) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
The United Nations Security Council "veto power" is the power of the five permanent members of the UN Security Council (China, France, Russia, the United Kingdom, and the United States) to veto any "substantive" resolution. However, a permanent member's abstention or absence does not prevent a draft resolution from being adopted	Decisions of the Security Council on procedural matters shall be made by an affirmative vote of nine members. Decisions of the Security Council on all other matters shall be made by an affirmative vote of nine members including the concurring votes of the permanent members; provided that a party to a dispute shall abstain from voting	Till date, Russia has used veto power the most number of times. As of February 2022, Russia/USSR has used its veto 120 times, the US 82 times, the UK 29 times, France 16 times, and China 17 times



Source: <https://www.thehindu.com/news/national/india-abstains-from-unsc-resolution-against-russian-aggression/article65086487.ece>

**Q.119) Consider the following statements**

1. Trees on forest edges may grow faster than trees in interior regions due to higher insolation
2. Trees on forest edges may decompose slower than trees in interior regions due to less availability of micro-organisms

**Select the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.119) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
Trees on the edges grow nearly twice as fast as interior trees .This is likely because the trees on the edge don't have competition with interior forest, so they get more light (Insolation).	Warmer temperatures at the edge of the forest caused leaves and organic matter to decompose faster, as it forced soil microorganisms to work harder and release more carbon dioxide than their cooler, more shaded peers in the forest interior.

Source: <https://www.thehindu.com/sci-tech/trees-on-forest-edges-may-grow-faster-than-those-inside/article65086563.ece>

**Q.120) Consider the following statements regarding 'Export Credit Guarantee Corporation (ECGC)'**

1. It provides a range of credit risk insurance covers to exporters against loss in export of goods and services as well
2. It functions under the administrative control of the Ministry of Commerce & Industry, Department of Commerce, Government of India.

**Choose the correct statements**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.120) Solution(c)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
<p>The functions of ECGC are –</p> <ol style="list-style-type: none"> <li>1. Provides a range of credit risk insurance covers to exporters against loss in export of goods and services as well.</li> <li>2. Offers guarantees to banks and financial institutions to enable exporters to obtain better facilities from them.</li> <li>3. Provides Overseas Investment Insurance to Indian companies investing in joint ventures abroad in the form of equity or loan and advances</li> </ol>	<p>The ECGC Limited (Formerly Export Credit Guarantee Corporation of India Ltd) is a government owned export credit provider. It is under the ownership of Ministry of Commerce and Industry, Government of India based in Mumbai, Maharashtra</p>

Source: <https://www.thehindu.com/business/Industry/ecgc-withdraws-coverage-for-shipments-to-russia-huge-setback-for-exporters-says-fieo/article65087358.ece>